







**MACDONALD PARK**

**UNIVERSITY BUILDINGS** (hatched pattern)

**BUILDINGS OF INSTITUTIONS CONNECTED WITH THE UNIVERSITY** (solid pattern)

**0 100 200 300 400 500 600 FEET.**

**TRUE NORTH**

**Streets:** Durocher St., Oxenden Ave., Prince Arthur St., University Street, Milton St., Union Ave., West St., Victoria St., McGill College Ave., Sherbrooke St., Mansfield St., Metcalfe St., Pine Avenue, Carlton Road, McTavish Street.

**Buildings and Features:** 1 DOUGLAS HALL OF RESIDENCE, 2 MATERNITY PAVILION, 3 MONTREAL NEUROLOGICAL INSTITUTE, 4 ROYAL VICTORIA HOSPITAL, 5 FIELD HOUSE, 6 SIR ARTHUR CURRIE MEMORIAL GYMNASIUM-ARMOURY, 7 PATHOLOGICAL INSTITUTE, 8 MENTAL HYGIENE INSTITUTE, 9 MEDICAL BUILDING, 10 GREENHOUSES, 11 HIGH-LEVEL PUMPING STATION, 12 BIOLOGICAL BUILDING, 13 DIVINITY HALL, 14 POWER HOUSE AND BUILDING MAINTENANCE DEPARTMENT, 15 UNITED THEOLOGICAL COLLEGE, 16 ARTS BUILDING (McGILL COLLEGE), 17 METEOROLOGICAL STATION AND OBSERVATORY, 18 MONTREAL DIOCESAN THEOLOGICAL COLLEGE, 19 INTERNATIONAL LABOUR OFFICE, 20 THOMAS WORKMAN MECHANICAL ENGINEERING BUILDING, 21 MACDONALD ENGINEERING BUILDING, 22 REDPATH MUSEUM, 23 PRESBYTERIAN COLLEGE, 24 INTERNATIONAL LABOUR OFFICE, 25 THE HIGH SCHOOLS OF MONTREAL, 26 SCHOOL FOR GRADUATE NURSES, 27 MACDONALD CHEMISTRY AND MINING BUILDING, 28 REDPATH LIBRARY, 29 MACDONALD PHYSICS BUILDING, 30 FACULTY CLUB, 31 PULP AND PAPER RESEARCH INSTITUTE, 32 ROYAL VICTORIA COLLEGE, 33 CONSERVATORIUM OF MUSIC, 34 MCCORD MUSEUM, 35 STUDENTS' UNION, 36 STRATHCONA HALL, 37 RODDICK MEMORIAL GATES.

**Other Features:** PLAYING FIELD, MOLSON STADIUM, RESERVOIR, COURTS & RINKS.

# McGILL UNIVERSITY—PLAN OF GROUNDS







McGILL UNIVERSITY  
MONTREAL

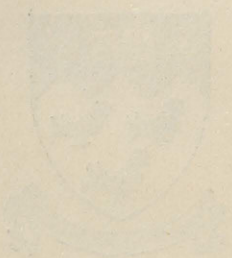


FACULTY OF MEDICINE

1944-1945

MACALL UNIVERSITY

LIBRARY



FACULTY OF MEDICINE



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# McGILL UNIVERSITY

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## FACULTY OF MEDICINE

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### ADMINISTRATIVE OFFICERS

<i>Principal</i> .....	F. CYRIL JAMES, Ph.D., D.C.L.
<i>Dean of the Faculty</i> .....	J. C. MEAKINS, M.D., F.R.C.S., F.R.C.P., F.R.S.C.
<i>Secretary of the Faculty</i> .....	J. F. McINTOSH, B.A., M.D., C.M.
<i>Bursar</i> .....	W. BENTLEY, C.G.A., A.C.I.S.
<i>Registrar</i> .....	T. H. MATTHEWS, M.A.
<i>University Librarian</i> .....	GERHARD R. LOMER, M.A., Ph.D., F.L.A.
<i>Honorary Medical Librarian</i> .....	R. L. STEHLE, M.A., Ph.D.
<i>Osler Librarian and Director of the Museum of the History of Medicine</i>	W. W. FRANCIS, A.B., M.D.
<i>Assistant Secretary of the Faculty</i> .....	MISS G. D. MUDGE.

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A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate announcement, which may be obtained from the Registrar's Office. The announcement also contains the names of members of the staff on active service.







## FACULTY OF MEDICINE

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The one hundredth and twelfth session of the Faculty will open on September 6th, 1944, for students of the 1st year.

### REQUIREMENTS FOR ENTRANCE

The minimum requirement for admission to the medical course is the satisfactory completion of three full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof), including courses in the following subjects: Physics, one year with laboratory work; Biology, one year of General Biology or Zoology with laboratory work; half year of Botany and half year of Zoology will be accepted, but not one year of Botany alone; Chemistry, two full courses, including one full course of Organic Chemistry with laboratory work. Candidates for admission shall furnish evidence that they have satisfied the matriculation requirements of the Licensing Body where they wish to practise.

### EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a Calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

The equivalent courses of study in schools accepted by this University shall be determined from time to time. Acceptance of a course of study as equivalent may not include the examination in that subject held by the accepted school, but the student may be required to pass such examinations, individual or comprehensive, as may be required by the Faculty.

### APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than March 1st.

A fee of \$25.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Dean or Secretary of the Faculty, when possible, is advisable.

### REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office on Tuesday, September 5th, 1944. Those who register after this date will be required to pay a late registration fee of \$5.00 if they register during the first week of the session and \$10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.



## FEES

## UNIVERSITY FEES

## 1. REGULAR STUDENTS.

Annual fee for British students.....	\$375.00
By instalments: each of two instalments.....	190.00
Annual fee for Non-British students.....	475.00
By instalments: each of two instalments.....	240.00

## 2. REPEATING A YEAR.

British students repeating a year pay.....	375.00
Non-British students repeating a year pay.....	475.00

## 3. PARTIAL STUDENTS.

Qualified students may be admitted as partials to one or more courses on payment of special fees.

## 4. AD EUNDEM FEE.

Students entering any year above the first pay a special *ad eundem* fee of..... \$10.00

## 5. DIPLOMA IN PUBLIC HEALTH FEES.

The fee for the graduate course in Public Health, including laboratory and outdoor work, is \$150.00 for British and \$200.00 for Non-British students. Students in this course are eligible for Health Service on payment of \$5.00.

## 6. CAUTION MONEY.

Payable by every student, and returned, less deductions for damage, loss, etc., at the end of the session..... \$10.00

## STUDENT FEES

## FEES FOR THE SUPPORT OF STUDENT ORGANIZATIONS.

Regular students (men).....	\$11.00
Regular students (women).....	9.00
Partial students.....	5.00

## DATES OF PAYMENT

Fees are due and payable at the Bursar's Office between the hours of 9 a.m. and 4 p.m. on the following dates:—

Tuesday, September 5th, to Thursday, September 7th, inclusive,

or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on February 1st. An additional \$2.00 is charged for payment after the specified dates.



Students registering late pay their fees at the time of registration failing which they become subject to the provisions of the above paragraph.

Fees for students in the Third and Fourth Years of the accelerated course are payable at the Bursar's Office on Tuesday, September 5th, to Thursday, September 7th, inclusive. If desired, these fees may be paid in two instalments, due in September and February 1st, upon payment of the instalment fee of \$5.00. If additional instalments are desired special arrangements should be made with the Chief Accountant. Students eligible to receive their diplomas at the Fall Convocation in October must pay all fees before that date, as otherwise the diploma will be withheld.

Immediately after the prescribed dates for the payment of fees the Bursar will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Bursar.

All fees of Canadian and British Empire students are payable in Canadian currency. Fees of students from the United States are payable in U.S. dollars, upon which the current premium of 10% will be allowable.

Domicile will in general determine whether a student pays the British or Non-British fees. A student who is uncertain which rate he will be required to pay should consult the Registrar.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

#### MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine. Every effort is made by the University to obtain satisfactory microscopes for the students at a preferred cost, but this cannot be guaranteed.

#### BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement (pages 94 to 99).

#### HEALTH SERVICE

For details of the Health Service and Medical Examination see the General Information Pamphlet included in this Announcement (page 92).



## COURSES FOR THE DEGREE OF M.D., C.M.

The minimum period of professional training required by the University as a qualification for the independent practice of Medicine shall be five years, including

- a. four years of medical study in the University leading to the degree of M.D., C.M.; and
- b. one year of internship in an approved hospital.

## OR

one year of further medical study in the Faculty of Medicine of McGill University or at another medical school approved by it.

A certificate that his medical education is completed and that he is eligible to sit for the examination of a licensing board shall not be issued to any graduate until the University is in possession of satisfactory evidence that he has completed the full requirements.

There are three sessions of thirty-six weeks each and one session (final session) of thirty-two weeks, all exclusive of examination periods. The sessions usually begin the first Tuesday after the first Monday in September (Labour Day) and continue until the first week of June in the first three years and to the first week in May in the final year.

The academic session is divided into four terms in the first and fourth session and into three terms in the second and third sessions. The minimal period of study for the degree of M.D., C.M., is, therefore, four sessions of study comprising one hundred and forty weeks exclusive of examination periods.

## DECELERATION OF THE MEDICAL COURSE.

The introduction of summer terms to accelerate the graduation of medical students was introduced as a "war measure" in 1942. The class which entered in September, 1942, having embarked on this course, will continue acceleration to the end of their course in July, 1945. As it is anticipated that the needs of the three Medical Services of the Armed Forces will be met satisfactorily without further acceleration, classes admitted in September, 1943, and subsequently, will return to the pre-war schedule outlined in a previous paragraph.

The arrangement of the principal subjects of instruction is usually as follows:

## FIRST SESSION:

Anatomy (Embryology), Biochemistry, Histology, Physiology.



## SECOND SESSION:

Physiology, Pharmacology, General Pathology, Bacteriology, Immunology, Parasitology, Laboratory Diagnosis, Medicine, Surgery, Obstetrics.

## THIRD SESSION:

Special Pathology, Public Health, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, Mental Hygiene, Psychiatry, Therapeutics, Ophthalmology, Otolaryngology, Medical Jurisprudence, Radiology.

## FOURTH SESSION:

Medicine,\* Surgery,\* Obstetrics and Gynaecology, Paediatrics, Ophthalmology, Otolaryngology, Radiology.

\*In these subjects are included the following—

*Medicine*—Dermatology, Psychiatry, Neurology, Clinical Therapeutics.

*Surgery*—Orthopaedics, Urological Surgery, Neurosurgery, Anaesthesia.

## EXAMINATIONS

The examinations taken within the Medical Faculty are divided into two groups, namely, major examinations and minor examinations. Major examinations are the final examinations in Anatomy (Embryology), Histology, Physiology, Biochemistry, Pharmacology, Bacteriology, Pathology, Public Health, Paediatrics, Medicine, Surgery, Obstetrics and Gynaecology.

Minor examinations include the final examinations in Parasitology, Laboratory Diagnosis, Endocrinology, Immunology, Medical Jurisprudence, Ophthalmology, Otolaryngology, and examinations preliminary to the final examinations in Anatomy, Physiology, Public Health, Pathology, Medicine (including Therapeutics and Psychiatry), Surgery, Obstetrics and Gynaecology and Paediatrics.

A student who fails in any major examination will be required before he sits a supplemental examination to present to the Dean's office from the senior professor of the Department concerned a certificate that the student has taken sufficient extra tuition as would indicate that he has reviewed the subject and is a suitable candidate for the supplemental examination.

There is a strict difference between the importance of a major and a minor examination. If a student fails in the supplemental of a major



examination, there are definite restrictions as hereinafter set forth, while failure in the supplemental of a minor examination permits the student to carry conditions as are hereinafter laid down.

A student who fails in the supplemental of one (or two) minor examination may proceed with other subjects in the following year, carrying such a subject as a condition, but may not sit any subsequent major examinations until such conditions have been removed, nor may more than two conditions be carried at one time.

All conditions must be removed by the end of the first term (November) in each session when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year and to repeat the courses of the Winter and Spring terms.

A student who fails in the supplementals of three or more minor examinations in any one session must repeat this session or may be asked to retire, as may be decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A failure in the supplemental of a major examination will require the student to repeat the course (repeat the year), and no student may repeat such a course more than once. Any student who fails in the supplementals of two major examinations in any one year shall be required to retire without the privilege of further supplementals.

A student is not allowed supplementals in three major examinations in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student is not allowed supplementals in two major and one minor examination in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A student in the final year may take a supplemental examination in one subject only at the end of the following September, but must present a certificate from the senior professor of the Department concerned that he has taken at least three months' extra tuition in this subject in one of the teaching hospitals of McGill Faculty of Medicine. If he should fail in this supplemental examination, he must repeat the year of study and pass all the major examinations at the completion of the session.

A student in the final year who fails in two subjects will not be permitted supplementals but must repeat the year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student will not be allowed to repeat a year more than once nor may he repeat a subsequent year if such repetition has been due to failure in



examinations, except on special recommendation of the Promotion Committee, acting upon the motion of the representatives on the committee of the department concerned.

A student who has been permitted to repeat his year shall be required to make a C+ grade, which for this purpose is considered to be 65%, or he will not be permitted to continue his course.

A schedule of the times of major and minor examinations shall be published as a supplement to these ordinances at the beginning of each academic session.

Examinations, tests, reviews, etc., may be held during the session by any department in its time of instruction, provided that not more than twenty-four (24) hours' notice is given. It is understood that such examinations, tests or reviews are conducted for the benefit of the student in order that he may have experience in the requirements of the sessional examinations, and further, that he and his teachers may know how he is progressing in his studies.

There shall be two Promotion Committees. The first Committee shall consist of representatives of the subjects of Anatomy, Biochemistry, Histology, Physiology, Pharmacology, Bacteriology, Parasitology, Pathology, and Endocrinology, appointed by the Dean, and the Dean and Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the first and second years. The second Committee shall consist of representatives of the Departments of Pathology, Bacteriology, Public Health, Medicine, Surgery, Obstetrics and Gynaecology and Paediatrics, appointed by the Dean, and the Dean and Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the third and fourth years.

All results of examinations will be given out by the Dean's office, after they have been passed upon by the Promotion Committee. It is an absolute rule that no examination results shall be communicated by any other channel.

The Faculty reserves the right to require the withdrawal of any student at any time, if in the opinion of his instructors he is incompetent.

### C. GRADING

At the conclusion of each course, students are graded in five groups, as follows:—

- A=Excellent
- B=Good
- C=Fair
- D=Doubtful
- E=Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.



The grade assigned to a student is based upon the result of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

#### FELLOWSHIPS, SCHOLARSHIPS, BURSARIES, MEDALS, PRIZES, AND LOAN FUNDS

Details of fellowships, scholarships, bursaries, medals, and prizes open to undergraduate and graduate students in Medicine, and of the University Loan Fund may be found in the Scholarships Announcement.

#### REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.

2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University. (See page 491.)\*

3. No one is permitted to become a candidate for the degree who has not attended at least one full session at this University.

4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.

5. He must have attended during at least three sessions of nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.

6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.

7. Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

#### REQUIREMENTS FOR LICENCE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right



of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before *beginning* the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained. This has been changed to four years as a war-time measure.

N.B.—In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC—Dr. J. Paquin, 1896 Dorchester St. West, Montreal.

ONTARIO—Dr. Robert T. Noble, 566 University Avenue, Toronto, Ont.

NEW BRUNSWICK—Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

NOVA SCOTIA—Dr. H. L. Scammell, 196 Atlantic St., Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. H. D. Johnson, 275 Richmond St., Charlottetown, P.E.I.

MANITOBA—Dr. W. G. Campbell, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. George R. Johnson, 336 8th Ave. W., Calgary, Alta.

SASKATCHEWAN—Dr. A. W. Argue, 307 Birks Bldg., Saskatoon, Sask.

BRITISH COLUMBIA—Dr. A. J. MacLachlan, 203 Medical-Dental Building, Vancouver, B.C.

The Registrar for Newfoundland is Dr. C. Macpherson, P.O. Box 5121, St. John's, Nfld.

#### DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.

#### GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION OF GREAT BRITAIN

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this



University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

## COURSES OF INSTRUCTION

### ANATOMY

*Robert Reford Professor and*

*Chairman of the Department* . . . C. P. MARTIN

*Associate Professor of Histology* . . . H. SELYE

*Assistant Professor of Anatomy* . . . D. S. FORSTER

*Assistant Professor of Histology* . . . C. P. LEBLOND\*

*Demonstrators in Anatomy* . . . . . { E. W. WORKMAN  
G. PERRIGARD

*Teaching Fellow in Anatomy* . . . . . S. M. FRIEDMAN

*Sessional Lecturers in Histology* . . { E. BELAND  
O. HALL

### REQUIRED COURSES

#### 1. GROSS ANATOMY.

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms of the First Medical Year.

#### 2. APPLIED ANATOMY.

One hour per week lecture and demonstration during the Winter and Spring terms of the Third Medical Year. This course is conducted mainly by clinicians from the Royal Victoria and Montreal General Hospitals.

(Suspended for duration of the war.)

*Text-books:*—Gray's "Anatomy" (English Edition) or Cunningham's "Text-Book of Anatomy".

*Practical Manuals:*—Cunningham's "Manual of Practical Anatomy"; Johnston's "Synopsis of Regional Anatomy".

*Optional Texts:*—Quain, Piersal, Spalteholz Atlas, Fraser's "Anatomy of the Human Skeleton", Buchanan, Fraser and Robbins, Larsell, Ramson.

\*On military service.



## ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

## 3. ADVANCED NEURO-ANATOMY.

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton, assisted by Dr. Kershman. The class is limited to twelve. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

## 4. PHYSICAL ANTHROPOLOGY.

Lectures and practical courses will be arranged for students when required.

## MICROSCOPIC ANATOMY

## REQUIRED COURSE

## 5. HISTOLOGY.

The study of the histological structure of the body. Two hours lectures and nine hours laboratory work per week during the first half of the First Medical Year.

*Text-book:*—Bailey, "Text-Book of Histology".

*Optional Texts:*—Cowdry, Lewis, and Bremer, Jordan, Maximow and Bloom (Schafer).

## ELECTIVE COURSE

## 6. EXPERIMENTAL MORPHOLOGY.

Bi-weekly seminar. In this course current problems and discoveries in Experimental Morphology are discussed by members of the staff and graduate students.

## EMBRYOLOGY

## REQUIRED COURSE

## 7. THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY.

One hour per week lecture and three hours per week laboratory work during second half of the First Medical Year.

*Text-book:*—Arey, "Developmental Anatomy".

*Optional Texts:*—Jordan, Simkins, Bailey and Millar, Keith, Fraser.



## PHYSIOLOGY

<i>Joseph Morley Drake Professor, and Chairman of the Department.</i>	.....H. E. HOFF
<i>Research Professor.</i>	.....B. P. BABKIN
<i>Associate Professor.</i>	.....N. GIBLIN
<i>Lecturers.</i>	..... <div style="display: inline-block; vertical-align: middle;"> <div style="display: inline-block; vertical-align: middle;">{</div> <div style="display: inline-block; vertical-align: middle;">S. DWORKIN RONALD GRANT KATHLEEN TERROUX </div> </div>
<i>Demonstrator.</i>	.....RHODA GRANT

## REQUIRED COURSES

## 1. FIRST YEAR LECTURES.

Tuesday, Thursday, Saturday, at 9 a.m. (beginning in January).

## 1P. FIRST YEAR LABORATORY.

Nine hours a week, Spring Term.

## 2. SECOND YEAR LECTURES.

Monday, Wednesday, Friday, at 9 a.m., Autumn and Winter Terms.

## 2P. SECOND YEAR LABORATORY.

Six hours a week and laboratory demonstration. Autumn Term.

*Text-books:—*

Systematic Physiology—Human.

Howell, Textbook of Physiology; Starling (and Evans), Human Physiology; MacLeod (and Bard), Physiology in Modern Medicine.

Clinical Physiology.

Samson Wright, Applied Physiology; Wiggers, Physiology in Health and Disease; Best and Taylor, Physiological Basis of Medical Practice.

## OTHER COURSES

(Available only for students who have obtained Honours in the Required Courses, and by application to the Chairman of the Department.)

## 3. ADVANCED LECTURES.

## 3P. ADVANCED LABORATORY.

## BIOCHEMISTRY

<i>Professor and Chairman of the</i>	
<i>Department.....</i>	D. L. THOMSON
<i>Assistant Professors.....</i>	{ O. F. DENSTEDT
	{ R. D. H. HEARD
<i>Sessional Lecturer.....</i>	H. SOBEL

## COURSES OFFERED IN BIOCHEMISTRY

## FIRST YEAR.

*Biochemistry 1.* 50 lectures and 100 hours laboratory work, in the second and third quarters of the first year.

Dr. Thomson.

*Text-books:*—Bodansky, "Introduction to Physiological Chemistry" (Wiley); Cameron, "Text-book of Biochemistry" (Macmillan); Williams, "Text-book of Biochemistry" (van Nostrand); Schmidt and Allen, "Fundamentals of Biochemistry" (McGraw-Hill).

## SECOND YEAR.

*Nutrition,* 10 lectures, in the first term of the second year

Dr. Thomson.

*Biochemistry 2, Endocrinology.* 25 lectures, from October to April in the second year.

Dr. Heard.

Other courses offered by the Department are listed in the Announcements of the Faculties of Arts and Science, and of Graduate Studies and Research.



## PATHOLOGY

<i>Strathcona Professor and Chairman of the Department</i> .....	G. LYMAN DUFF
<i>Associate Professor</i> .....	THEO. R. WAUGH
<i>Assistant Professor</i> .....	C. Y. YUILE
<i>Lecturers</i> .....	{ R. H. MORE J. E. PRITCHARD F. W. WIGLESWORTH*
<i>Demonstrator</i> .....	M. B. MACKENZIE
<i>Sessional Demonstrator</i> .....	M. A. SIMON
<i>Douglas Fellow</i> .....	ELIZABETH L. CORBETT
<i>Fellows</i> .....	{ J. B. CHERRY D. C. WILSON M. M. GOLD

## REQUIRED COURSES

1. COURSE IN GENERAL PATHOLOGY (Second Year).
  - A. Two lectures per week (with epidiascopic and microscopic demonstrations) during the Winter and Spring terms (52 lectures).  
Professor Duff.
  - B. Two practical laboratory classes per week during the Spring Term (80 hours practical work).  
Professor Duff, Professor Yuile and Demonstrators.
2. COURSE IN SPECIAL PATHOLOGY (Third Year).
  - A. Two lectures per week during the Autumn, Winter and Spring Terms (72 lectures).  
Professor Duff, Professor Waugh, Professor Yuile and Lecturers.
  - B. Two practical laboratory classes per week during the Winter and Spring Terms (96 hours practical work).  
Professor Duff and Staff.
  - C. One demonstration of gross pathological material per week to students in small groups of 15 each, during Autumn, Winter and Spring Terms (36 hours.)  
Professor Yuile, Dr. More and Dr. Simon.
3. COURSE IN APPLIED PATHOLOGY (Third and Fourth Years).
  - A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter and Spring Terms.....Professor Duff.

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\*On military service.



- B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter and Spring Terms. Time according to material.

Pathological Institute. . . . . Professor Duff and Dr. More.

Montreal General Hospital. . . . . Dr. Pritchard.

Children's Memorial Hospital. . . . .

*Text Books:*—MacCallum, A Text-Book of Pathology (Saunders); Karsner, Human Pathology (Lippincott); Boyd, Text Book of Pathology (Lea & Febiger); Muir, Text-Book of Pathology (Arnold).

#### REFERENCE BOOKS.

*General:*—Aschoff, Pathologische Anatomie (Gustav Fischer); Bell, Text Book of Pathology (MacMillan); Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Forbus, Reaction to Injury (Williams & Wilkins); Reimann, Kaufmann's Pathology (Blakiston); Smith & Gault, Essentials of Pathology (Appleton Century); Wood, Delafield & Prudden's Text-Book of Pathology (Wm. Wood & Co.); Wells, Chemical Pathology (Saunders).

*Tumours:*—Ewing, Neoplastic Diseases (Saunders); Geschickter & Copeland, Tumors of Bone (American Journal of Cancer); Willis, The Spread of Tumours in the Human Body (Churchill).

*Haematopathology:*—Naegeli, Blutkrankheiten und Blutdiagnostik (Julius Springer); Whitby & Britton, Disorders of the Blood (Churchill).

*Neuropathology:*—Biggart, Pathology of the Nervous System (Livingstone); Buzzard and Greenfield, Pathology of the Nervous System (Churchill); Freeman, Neuropathology (Saunders).

*Technique:*—Farber, The Post Mortem Examination (Charles Thomas); Mallory, Pathological Technique (Saunders); Saphir, Autopsy Diagnosis and Technique (Hoeber).

#### BACTERIOLOGY AND IMMUNITY

*Professor and Chairman.* . . . . E. G. D. MURRAY\*\*

*Associate Professor and Acting*

*Chairman.* . . . . . FREDERICK SMITH

*Assistant Professors.* . . . . { T. E. ROY\*

C. D. KELLY

D. S. FLEMING

*Lecturer.* . . . . . W. H. MATHEWS\*

D. H. STARKEY\*

*Demonstrators.* . . . . { N. W. McLELLAN\*

G. G. KALZ

M. F. HOWIE

#### REQUIRED COURSES

All lectures and laboratory courses are given in the Department of Bacteriology (Pathological Institute).

\*On military service.

\*\*On leave of absence.



## COURSE 1. ELEMENTARY MEDICAL BACTERIOLOGY AND IMMUNITY.

Three lectures and 6 hours laboratory work a week. First term II.

## COURSE 1. S. ELEMENTARY GENERAL BACTERIOLOGY FOR ARTS AND SCIENCE STUDENTS. III.

## COURSE 2. APPLIED MEDICAL BACTERIOLOGY AND IMMUNITY AND THE PROCESSES OF INFECTIOUS DISEASES. Second term II.

Two lectures and demonstrations a week. Second term.

## COURSE 3. BACTERIOLOGY AND IMMUNITY FOR HONOURS B.Sc.

Six lectures and 12 hours laboratory work a week throughout the year. IX.

(Full details of the courses can be obtained by application to the Registrar).

*Text-books*:—Hans Zinsser and G. Bayne-Jones, *Textbook of Bacteriology* (Appleton); R. Muir and J. Ritchie, *Manual of Bacteriology* (Oxford University Press); R. T. Hewlett and James McIntosh, *Manual of Bacteriology* (Churchill); T. J. Mackie and J. E. McCartney, *Practical Bacteriology* (Livingstone); J. W. Bigger, *Handbook of Bacteriology* (Bailliere Tindall & Cox); Hans Zinsser, *Resistance to Infectious Diseases* (Macmillan); W. W. C. Topley and G. S. Wilson, *The Principles of Bacteriology and Immunity* (Edward Arnold & Co.); W. W. C. Topley, *An Outline of Immunity* (Arnold); M. Langeron, *Precis de Microscopie* (Masson & Cie); D. H. Bergey, *Manual of Determinative Bacteriology* (Williams & Wilkins); E. O. Jordan and W. Burrows, *Text-Book of Bacteriology* (Saunders); Frederick P. Gay, *Agents of Disease and Host Resistance* (C. C. Thomas); N. P. Sherwood, "Immunology" (Mosby Co.); H. Zinsser, J. F. Enders, L. D. Fothergill, "Immunity Principles and Application in Medicine and Public Health" (Macmillan Co.); R. W. Fairbrother, *A Text-book of Medical Bacteriology* (W. Heinemann, Ltd.).

## PARASITOLOGY

*Professor and Chairman of the Department*.....T. W. M. CAMERON  
*Lecturer*.....IVAN W. PARNELL\*  
*Sessional Lecturer*.....MAJOR D. C. BEWS

## REQUIRED COURSE

## SECOND YEAR.

- 2A. HUMAN PARASITOLOGY.—This course on the animal parasites of man (protozoa, helminths and arthropods) comprises about 45 hours of instruction. Special attention is given to parasites found in North America, their diagnosis, bionomics and pathogenesis. In the practical class, each student examines all the important species as well as the lesions caused by them.

\*On Military Service.



First term—Two lectures and one laboratory period per week.

**ELECTIVE COURSES.**—The Department not only provides facilities for advanced research work at the Institute of Parasitology, but offers didactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research).

*Text-book:*—Cameron, T. W. M., "The Parasites of Man in Temperate Climates."

## PUBLIC HEALTH AND PREVENTIVE MEDICINE

*Strathcona Professor and Chairman*

*of the Department*.....

*Associate Professor and Acting*

*Chairman*.....R. ST. J. MACDONALD

*Assistant Professor*.....FRANK G. PEDLEY\*\*

*Lecturer*.....R. VANCE WARD

The instruction in Public Health and Preventive Medicine given to the medical undergraduates is designed to meet the requirements of the practitioner in Medicine.

The importance of Public Health and Preventive Medicine is kept before the student throughout his course. From an historical background are developed the needs and opportunities for preventive medicine, and its social implications.

The Department aims to correlate the teaching of the preventive aspects of medicine with the teaching of other departments in their special fields. In addition, those phases of the subject that are not included elsewhere are covered, such as water, milk and food supplies, public health administration, hygiene of the school child and industrial hygiene.

The hygiene of the child of school age includes, for consideration, the chief points of a school health service, its scope, and the duties of the School Medical Officer, a post frequently undertaken by the general practitioner.

Industrial Hygiene deals with the application of the principles of preventive medicine to industry. The various factors which influence the health of work-people are discussed, and the means which may be taken to supervise their health and safety are considered.

\*\*On leave of absence.



A health study of the student's home town, or some other place acceptable to the Department, is required before the beginning of the final year. This study calls for individual field work by each student. This requirement has been waived, however, for the duration of the accelerated course, and has been replaced by a practical problem in public health and preventive medicine on which each student is asked to report.

#### REQUIRED COURSES

##### FIRST YEAR.

- 1A. *Public Health*—3 lectures:—Development of the modern public health program, and results; problems of public health and medical care.....Professor Macdonald and Dr. Ward.

##### SECOND YEAR.

- 2A. *Public Health Organization*—5 lectures:—International, national, local and voluntary health organization.  
Professor Macdonald and Dr. Ward.

##### THIRD YEAR.

- 3A. *Hygiene*—11 lectures:—Maternal, Infant, Pre-School, School and Industrial Hygiene.  
Professor Macdonald and Dr. Ward.

- 3C. *Epidemiology and Vital Statistics*—7 lectures.  
Professor Macdonald and Dr. Ward.

- 3D. *Sanitation*—6 lectures.....Professor Macdonald.

- 3E. *Preventive Medicine, Demonstrations*—6 periods  
Chandler Health Centre.

##### *Text-books and reference books:—*

*The General Field*—Mustard; Rosenau.

*Industrial Hygiene*—The Health of the Industrial Worker, Collis and Greenwood; Industrial Health, Hayhurst, Emery and Kober; Industrial Poisons in the United States, Hamilton.

*Mental Hygiene*—The Mental Hygiene of Childhood, White.



## PHARMACOLOGY AND THERAPEUTICS

<i>Professor and Chairman of the</i>	
<i>Department</i> .....	R. L. STEHLE
<i>Associate Professor of</i>	
<i>Therapeutics</i> .....	D. S. LEWIS
<i>Associate Professor of</i>	
<i>Pharmacology</i> .....	K. I. MELVILLE
<i>Lecturer in Therapeutics</i> .....	W. DE M. SCRIVER
<i>Lecturer in Anaesthesia</i> .....	WESLEY BOURNE
<i>Lecturer in Pharmacology</i> .....	A. M. FRASER*

## PHARMACOLOGY

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

## REQUIRED COURSES

- 1A. PHARMACOLOGY. The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Three lectures a week during the Winter Term supplemented by one conference and one demonstration a week. Second Year.

The conference groups are limited to four students each.

Professors Stehle and Melville.

- 1B. PHARMACOLOGICAL LABORATORY. The experiments are chosen to illustrate the lecture course.

Two periods (six hours) a week during the Winter Term. Second Year.

Professors Stehle and Melville.

## THERAPEUTICS

The teaching of therapeutics will be closely linked with that of medicine.

## REQUIRED COURSES

2. PHARMACY AND PRESCRIPTION WRITING. Five lectures and five laboratory periods.  
Dr. Scriver.
- 3A. THERAPEUTICS: Didactic Instruction. A series of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

\*On Military Service.



- 3B. THERAPEUTICS: Theatre Lectures. Fifteen clinical lectures to be given in the hospitals during the year in conjunction with the teaching of the Department of Medicine. Dr. Lewis and Associates.

*Text-books in Pharmacology.* Cushny, Sollmann, Clark. *Text-books in Therapeutics,* Beckman, Lyon, Reiman, Goodman and Gilman.

OPTIONS

Suitably prepared students may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

MEDICINE

*Professor and Chairman of  
the Department*.....

JONATHAN C. MEAKINS

*Professor*.....

L. C. MONTGOMERY\*

*Associate Professors*.....

{ G. R. BROW, E. H. MASON  
E. S. MILLS, I. M. RABINOWITCH

*Assistant Professors*.....

{ C. C. BIRCHARD, J. S. L. BROWNE,  
J. KEITH GORDON, J. KAUFMAN,  
D. S. LEWIS, C. F. MOFFATT,  
W. DE M. SCRIVER.

*Lecturers*.....

{ C. R. BOURNE, NEIL FEENEY,  
A. F. FOWLER, C. W. FULLERTON,  
A. T. HENDERSON, W. R. KENNEDY,  
J. F. McINTOSH, J. H. PALMER\*,  
COLIN SUTHERLAND, C. J. TIDMARSH,  
R. VANCE WARD,  
R. H. M. HARDISTY } Post-retirement  
D. W. McKECHNIE }

*Demonstrators*.....

{ L. J. ADAMS, C. B. BARKER,  
D. BARZA, R. C. BENNETTS,  
J. O. W. BRABANDER, HUGH BURKE,  
B. R. CUDDIHY, W. W. EAKIN,  
GUY HAMEL, M. A. HICKEY,  
C. R. JOYCE, H. E. MACDERMOT,  
J. F. MACIVER, W. G. McLELLAN,  
W. F. McMARTIN, D. L. MENDEL,  
J. G. MUNROE, M. NOTKIN,  
S. ORTENBERG, S. L. RICHARDSON,  
H. N. SEGALL, C. B. SMITH,  
F. M. SMITH.

\*On active service.



## THE CURRICULUM

## FOREWORD:

The object of the following course is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The University lectures and clinical lectures are open to students of all years. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

## REQUIRED COURSES.

## SECOND YEAR

Course II 1—*Integration of Physiology, Biochemistry and Anatomy with Medicine.*

Time—Last term of Second Year.

Place—Medical Building.

*Subject Material—*

1. Diseases of Lungs.
2. Diseases of Heart, Kidneys, Blood Vessels.
3. Diseases of G.I. Tract.
4. Diseases of Liver, Spleen, and Blood.
5. Diseases of Metabolism.
6. Diseases of Ductless Glands.
7. Clinical Neurophysiology.

Course II 2—*A Practical Course in Clinical Methods.*

Time—Last term of Second Year.

Place—Outpatient Dept. of the Royal Victoria and the Montreal General Hospitals.

Subject—Practical instruction 4 hours a week on Normal Physical Signs.



Course II 3—*Laboratory Diagnosis.*

Time—Last term of Second Year.

Place—Medical Building.

Subject—Instruction and practice 2 periods a week in microscopy as applied to clinical medicine.

Dr. McIntosh and Assistants.

THIRD YEAR

Course III 4—*Amphitheatre Clinics in General Medicine.*

Time—Twice weekly throughout year.

Place—Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.

Course III 5—*Bedside Clinics and Practical Demonstrations.*

Time—Twice weekly during the medical trimester.

Place—Wards of the Royal Victoria and the Montreal General Hospitals.

Course III 6—*Clinico-Pathological Conference.*

Time—Weekly during the medical trimester.

Place—The Royal Victoria and the Montreal General Hospitals.

Course III 7—*Case Reporting.*

During the trimester in Medicine students will be assigned patients in the wards. They will be required to write case histories, make a general examination, note progress, and do such laboratory investigations as are within their scope.

Course III 8—*A Practical Course in Diseases of Metabolism.*

Time—Weekly during the medical Trimester.

Place—Royal Victoria and the Montreal General Hospitals.

Subject—This course consists of weekly Ward Rounds in the two Hospitals.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting Medicine.

FOURTH YEAR

Course IV 9—*Amphitheatre Clinics in General Medicine.*

Time—Once a week throughout year.

Place—Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.



Course IV 10—*Bedside Clinics and Practical Demonstration.*

Time—Twice weekly during medical quarter.

Place—Wards of the Royal Victoria and the Montreal General Hospitals.

Course IV 11—*Clinico-Pathological Conference.*

Time—Once a week during medical quarter.

Place—Royal Victoria and the Montreal General Hospitals.

Course IV 12—*A Practical Course in Diseases of Metabolism.*

Time—Weekly during the medical quarter.

Place—Royal Victoria and the Montreal General Hospitals.

Subject—This course consists of weekly Ward Rounds in the two Hospitals.

Course IV 13—*Clinical Therapeutics—practical instruction.*

Time—Once a week for one quarter.

Place—Royal Victoria and the Montreal General Hospitals.

Course IV 14—*A Course of Lectures in Medicine and Specialties.*

Time—Four periods a week throughout year.

Place—Medical Building and the Montreal Neurological Institute.

Subject—Lectures in General Medicine and Allied Specialties.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting Medicine.

From time to time special Elective Courses are given at the Hospitals in such subjects as Hæmatology, Cardiology, etc.

TEXT AND REFERENCE BOOKS

*Clinical Methods and Physical Diagnosis*:—Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Major, "Physical Diagnosis"; Murray, "Examination of the Patient"; Gradwohl, "Clinical Laboratory Methods and Diagnosis"; Hutchison and Hunter, "Clinical Methods"; Cabot & Adams, "Physical Diagnosis"; Department of Medicine, McGill University, "Guide to Medical Case Reporting".

*General Medicine*:—McLeod, "Physiology in Modern Medicine"; Best and Taylor, "Physiological Basis in Medical Practice"; Meakins, "Practice of Medicine"; Cecil, "Text Book of Medicine"; Davis, "Cyclopedia of Medicine"; Rolleston, "The British Encyclopaedia of Medical Practice"; Lewis, "Diseases of the Heart"; White, "Heart Disease"; Norris and Landis, "Diseases of the Chest"; Eusterman and Balfour, "Stomach and Duodenum"; Hurst and Stuart, "Gastric and Duodenal Ulcer"; Joslin, "Diabetic Manual"; "Treatment of Diabetes Mellitus"; McLester, "Nutrition and Diet in Health and Disease"; Lusk, "Science of Nutrition"; Peters and Van Slyke, "Quantitative Clinical Chemistry"; Vol. 1, Interpretations; DuBois, "Basal Metabolism in Health and Disease"; Kurzrok, "The Endocrines in Obstetrics and Gynæcology"; Clendenning, "Methods of Treatment"; "Pharmacopoeia of the Teaching Hospitals".



*General Medicine*:—Smith & Gault, "Essentials of Pathology"; Yates, "Fundamentals of Internal Medicine"; McCombs, "Internal Medicine in General Practice"; Christian, "Osler's PRINCIPLES AND PRACTICE OF MEDICINE", 15th edition.

*Psychiatry*:—White, "Outlines of Psychiatry"; Henderson and Gillespie, "A Text of Psychiatry" (1936); Bernard Hart, "The Psychology of Insanity".

*Neurology*:—Brock, "The Basis of Clinical Neurology"; Cobb, "A Preface to Nervous Diseases"; Grinker, "Neurology".

*Dermatology*:—Walker, "Introduction to Dermatology"; MacLeod, "Diseases of the Skin"; Sutton and Sutton, "Diseases of the Skin"; Ormsby, "Diseases of the Skin".

## TOXICOLOGY AND MEDICAL JURISPRUDENCE

A series of twenty-four lectures and demonstrations.

Assoc. Professor Rabinowitch.

**TOXICOLOGY:** 1. DEFINITIONS; 2. OCCURRENCE OF POISONING—Accidental. (Food. Industrial. Clothes and Cosmetics. Patent Medicines. Therapeutic. Other). Suicidal. Homicidal. 3. MODE OF ACTION OF POISONS: Modifying Causes—Form. Amount. Mode of Entry into Body. Age. Habit. Sleep. Physical Condition of Subject. Idiosyncrasy. Other. 4. CLASSIFICATION OF POISONS. 5. ACUTE POISONING: Diagnosis—Similarity Between Poisoning and Disease. General Evidence of Poisoning. Rules for Diagnosis. TREATMENT: Principles. General Treatment. Antidotes—Limitations. 6. LEGAL: Control of Poisons—Dangerous Drugs Acts and Regulations. Relation of Doctor to Pharmacist. Administration of Noxious Drugs. Narcotics. 7. MEDICO-LEGAL CONSIDERATIONS IN CASES OF POISONING: Accident. Suicide. Murder. Duty of Doctor—In Suspected Cases. In Known Cases. Post-mortem examinations in Cases of Poisoning.

**MEDICAL JURISPRUDENCE:** A. 1. INTRODUCTION: Definitions—Law. Medicine. Forensic Medicine. 2. LEGAL POSITION OF DOCTORS. 3. OBLIGATION OF DOCTOR TO THE STATE: Medical Notifications and Certifications—Births. Stillbirths. Infectious Diseases. Deaths. Other. 4. RESPONSIBILITIES TO PATIENT: Implied and Expressed Contracts. Professional Secrecy. Privileged Communications. Medico-legal Aspects of Physical Examinations—Consent. 5. MALPRACTICE: Civil. Criminal. Negligence. Contributory Negligence. Errors of Commission. Consultations. Responsibility for Assistants. "Reasonable Care and Judgment". B. LEGAL CRIMINAL PROCEDURE: 1. INVESTIGATION OF SUDDEN DEATHS AND DEATHS FROM UNNATURAL CAUSES—Coroner's Court. 2. MEDICAL EVIDENCE IN COURTS OF LAW: a. Documentary.



b. Oral. c. Experimental. 3. GENERAL RULES OF CONDUCT FOR MEDICAL WITNESSES: Professional Secrecy. Privileged Communications. Pre-cognitions. Fees. C. MEDICO-LEGAL ASPECTS OF DEATH: 1. Signs of Death. 2. Apparent Death. 3. Proximate Causes of Death. 4. Sudden Death. 5. Presumption of Death—Presumption of Survivorship. 6. Medico-Legal Forms of Death. 7. Post-Mortem Examinations for Medico-Legal Purposes. 8. Identification of the Dead. D. PERSONAL IDENTITY IN ITS MEDICO-LEGAL BEARINGS: For Civil Purposes. For Criminal Purposes. Mistaken Identity. E. BLOOD STAINS: Medico-legal information from Blood Stains. Blood Grouping. F. WOUNDS: 1. Legal Definition. 2. Types. 3. Medico-legal Examination of a Wounded Person. 4. Causes of Death from Wounds. 5. Wounds after Death. G. MEDICO-LEGAL ASPECTS OF PREGNANCY: H. ABORTION: Duty of Doctor in Cases of Suspected Criminal Abortion and in Cases of Known Criminal Abortion. I. IMPOTENCE AND STERILITY. J. RAPE. K. INFANTICIDE. L. MENTAL UNSOUNDNESS: Medical Certificate of the Insane. Protection of Certifying Physicians. Admission of Voluntary Patients to Institutions for the Insane. M. DRUNKENNESS: 1. Diagnosis: Clinical. Chemical. 2. Medico-legal Aspects—Civil. Criminal.

*Text and Reference Books:*—Buchanan's Text Book of Forensic Medicine and Toxicology. Medical Jurisprudence and Toxicology—Glaister. Forensic Medicine—Kerr. Forensic Medicine—Littlejohn. Forensic Medicine and Toxicology—F. J. Smith. Forensic Medicine—Sydney Smith. Recent Advances in Forensic Medicine—Sydney Smith and Glaister. Taylor's Principles and Practice of Medical Jurisprudence. A Synopsis of Forensic Medicine and Toxicology—Thomas. Legal Medicine and Toxicology—Webster.

## DERMATOLOGY

<i>Clinical Professors</i> .....	{ J. F. BURGESS (On leave of absence) L. P. EREAUX
<i>Lecturers</i> .....	{ B. USHER F. KALZ

## CLINICAL THERAPEUTICS

<i>Associate Professor</i> .....	D. S. LEWIS
<i>Lecturers</i> .....	{ C. W. FULLERTON W. DE M. SCRIVER GUY FISK ( <i>Physiotherapy</i> ) NORMAN BROWN ( <i>Physiotherapy</i> )



## PSYCHIATRY

<i>Professor and Chairman of the Department</i> .....	D. EWEN CAMERON
<i>Clinical Professor</i> .....	C. A. PORTEOUS
<i>Assistant Professors</i> .....	{ M. PRADOS G. E. REED B. SILVERMAN
<i>Lecturer</i> .....	KARL STERN
<i>Sessional Lecturers</i> .....	{ BRESLIN LARIVIERE
<i>Demonstrators</i> .....	{ T. E. DANCEY M. GRAY* H. LEHMAN A. A. MCKAY W. D. ROSS* C. SKITCH

## FOREWORD

Instruction in human behavior is given in all four years. Emphasis is placed upon the personality factor in all forms of illness. Consequently, teaching is carried on in close relation with other aspects of medicine. It is planned to take full advantage of the teaching facilities not only of the Institute but of the wards and out-patient departments of the Royal Victoria Hospital and of the Montreal General Hospital.

Special prominence is given to those psychological and personality situations which the student will meet after graduation in his day to day teaching. Instruction in military psychiatry and in child psychiatry is given in the final years.

## REQUIRED COURSES

1. PSYCHOBIOLOGY—A course of twelve lectures will be given in the first year. In this course, the various aspects of human behavior will be stressed, with special reference to their relationship to medicine.  
Dr. Cameron.
2. PSYCHIATRY—Eighteen lectures in the basis behavioral disorders will be given. During the second year both those disorders which require hospitalization and those which can be dealt with on an ambulant basis will be considered.  
Dr. Reed and Assistants.
3. A course of eight lectures will be given on child psychiatry during the fourth year.  
Dr. Silverman.

\*On Military Service.



4. Clinical demonstrations and ward rounds will be held during the fourth year. Certain of these will be devoted to military psychiatry.  
Dr. Breslin and Dr. Lariviere.
5. Others will deal with psychosomatic problems and early manifestations of nervous and mental illness.  
Drs. Cameron, Reed, Stern and Assistants.
6. Out-Patient instruction will be given in the Psychiatric Out-Patient Department.  
Dr. M. Prados.
7. Instruction in Out-Patient child psychiatry will be given at the Mental Hygiene Institute.  
Dr. Silverman.

## PAEDIATRICS

*Professor and Chairman of the*

*Department*..... R. R. STRUTHERS\*\*

*Associate Professor*..... S. GRAHAM ROSS

*Assistant Professors*..... { A. GOLDBLOOM  
L. LINDSAY  
A. K. GEDDES\*

*Lecturers*..... { ALAN ROSS\*  
JESSIE BOYD SCRIVER

*Demonstrators*..... { B. BENJAMIN  
J. H. O'NEILL  
S. J. USHER  
E. M. WORDEN

*Sessional Demonstrator*..... C. STEWART

## REQUIRED COURSES

1. LECTURE COURSE: A series of lectures on paediatrics, intended as an introduction to various aspects of Diseases of Children—Hygiene—Nutrition — Infections — Family Relationships—Infectious Diseases and Preventive Medicine.  
Once a week during the Autumn, Winter, and Spring terms (as announced) at the Medical Building or at the Children's Memorial Hospital.  
Professor Struthers and Assistants.
2. DISEASES OF THE NEWBORN: Royal Victoria Maternity Pavilion.  
A weekly clinic-demonstration to groups of students of the Third Year during their Obstetrics Trimester.  
Professors Ross, Drs. Scriver and Worden.
3. CLINICAL PAEDIATRICS: During the final year the class is divided into groups, each group devoting five weeks to the study of the diseases of childhood, including: (a) General Paediatrics—Children's

\*On Military Service.

\*\*On Leave of Absence.



Memorial Hospital. Daily bedside clinics by members of the department during the five week period spent by each student in attendance at the Children's Memorial Hospital—presentation of cases—discussion of case reports—ward rounds and staff rounds.

Staff Members.

(b) Normal Infant Feeding, Care and Development and Preventive Paediatrics. Immunization Procedures. Drs. Scriver, Usher, Benjamin. Child Welfare Association Clinics.

(c) *Infectious Diseases*: A series of demonstrations to groups of students on the common infectious diseases, is given at the Alexandra Hospital. Drs. Worden, C. Stewart.

*Text-books*: Holt and McIntosh, "Diseases of Infancy and Childhood"; Griffith and Mitchell "Diseases of Infants and Children"; Porter and Carter, "Management of the Sick Infant and Child"; Brown and Tisdall, "Common Procedures in Paediatrics".

*Reference Books*: Brenneman, "Practice of Paediatrics" (4 volumes); Parsons and Barling, "Diseases of Infancy and Childhood" (2 volumes); Langdon, "Home Guidance for Young Children"; Abt's "Paediatrics" (8 volumes); Still, "Common Disorders and Diseases of Childhood"; John Thomson, "Clinical Study and Treatment of Sick Children".

#### DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

<i>Professor of Neurology and Neurosurgery, Chairman of Department.</i>	WILDER PENFIELD
<i>Associate Professor of Neurology...</i>	COLIN RUSSEL
<i>Associate Professor of Neurosurgery.</i>	WILLIAM CONE
<i>Clinical Professor of Neurology...</i>	F. H. MACKAY
<i>Assistant Professors of Neurology...</i>	{ DONALD McEACHERN* FRANCIS L. McNAUGHTON ARTHUR W. YOUNG
<i>Assistant Professor of Neurosurgery.</i>	ARTHUR ELVIDGE
<i>Assistant Professor of Neurological Radiology...</i>	ARTHUR CHILDE
<i>Assistant Professor of Neurophysiology...</i>	HERBERT JASPER*
<i>Lecturers in Neurology...</i>	{ JOHN KERSHMAN* W. D. ROSS* NORMAN VINER
<i>Lecturer in Neuropathology...</i>	MURTON SHAVER
<i>Demonstrators in Neurosurgery...</i>	{ GUY K. MORTON* O. W. STEWART*
<i>Demonstrator in Neurophysiology...</i>	ANDRÉ CIPRIANI*
<i>Demonstrator in Neurosurgery...</i>	ARTHUR A. WARD, Jr.
<i>Research Fellows at Montreal Neurological Institute...</i>	{ CHEN CHAO-JEN M. BORSTEIN ERIC PETERSON* H. F. STEELMAN C. VILLAVICENCIO W. FEINDEL C. MUSHATT

\*On Military Service.



## COURSES OFFERED IN NEUROLOGY AND NEUROSURGERY

## SECOND YEAR.

- 2A. *Clinical Neuroanatomy and Neurophysiology*. 4 lectures. Dept. of Medicine. Dr. McNaughton.
- 2B. *Physical Examination of the Nervous System*. 2 theatre clinics. Dept. of Medicine. (1 at M.G.H., 1 at R.V.H.). Prof. F. H. Mackay.

## THIRD YEAR.

- 3A. *Survey of Neurology and Neurosurgery*. 8 lectures, Dept. of Medicine. 8 lectures, Dept. of Surgery. M.N.I. amphitheatre. Professor Penfield and Professor Russel.
- 3B. *Neuropathology*. 8 lectures, Dept. of Pathology. Pathology amphitheatre. Professor Cone and Dr. Murton Shaver.

## FOURTH YEAR.

- 4A. *Neurological and Neurosurgical Clinics*. 6 theatre clinics, Dept. of Medicine, 6 theatre clinics, Dept. of Surgery. M.N.I. amphitheatre. Professor Penfield, Professor Russel, Professor Cone, Professor Mackay and staff.
- 4B-1 *Neurological O.P.D.* R.V.H. Outpatient Department. Monday and Thursday afternoons. Professor Russel and assistants.
- 4C-1 *Neurology Ward Classes*. Dept. of Medicine. Wednesdays. M.N.I. (R.V.H. group). Professor Russel.
- 4B-2 *Combined Neurological O.P.D. and Ward Classes*. M.G.H. Monday & Friday afternoons. (M.G.H. group). Prof. F. H. Mackay and 4C-2 assistants.
- 4D-1 *Neurosurgery Ward Classes*. Dept. of Surgery. M.N.I. (R.V.H. group). Dr. Cone.
- 4D-2 *Neurosurgery Ward Classes*. Dept. of Surgery. M.N.I. (M.G.H. group). Dr. Elvidge.

## ELECTIVE COURSES.

- I. *Clinics on Diseases of the Nervous System*. R.V.H. Outpatient amphitheatre (if requested), Tuesdays 3-4 o'clock. Professor Penfield.
- II. *Contribution of the Basic Sciences to Neurology*. M.N.I. Tuesdays 5.30 p.m. Various members of the Department of Neurology and Neurosurgery, organized by Dr. McNaughton.
- III. *Advanced Neuroanatomy* (Anatomy 3). Construction of Model of Human Brain. M.N.I. Monday and Tuesday 8-10 p.m. (Registration limited to 10). Drs. McNaughton and Kershman.



## SURGERY

<i>Professor and Chairman of the Department of Surgery</i> .....	FRASER B. GURD
<i>Professor</i> .....	F. E. McKENTY
<i>Associate Professors</i> .....	{ J. C. ARMOUR J. G. W. JOHNSON, G. GAVIN MILLER, D. E. ROSS.
<i>Assistant Professors</i> .....	{ R. R. FITZGERALD, C. A. McINTOSH*, L. H. McKIM*, A. ROSS, A. J. STEWART, H. L. DAWSON, A. L. WILKIE, H. M. ELDER*, F. J. TEES
<i>Lecturers</i> .....	{ C. LUKE*, S. J. MARTIN, H. F. MOSELEY, P. G. ROWE, S. G. BAXTER, H. G. PRETTY
<i>Demonstrator</i> .....	E. M. COOPER
<i>Demonstrators</i> .....	{ F. D. ACKMAN, H. A. BAXTER, E. H. CAYFORD, H. S. DOLAN, G. D. LITTLE, C. K. McLEOD, J. C. SUTTON

## ORTHOPAEDIC SURGERY

<i>Lecturer</i> .....	N. T. WILLIAMSON
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## ANAESTHESIA

<i>Lecturers</i> .....	{ WESLEY BOURNE M. D. LEIGH C. C. STEWART F. A. H. WILKINSON
<i>Demonstrator</i> .....	A. M. TORRIE

## UROLOGY

<i>Clinical Professors</i> .....	{ R. E. POWELL E. S. SMITH
<i>Lecturer</i> .....	M. I. SENG
<i>Demonstrators</i> .....	{ A. B. HAWTHORNE A. M. J. TANNEY

## SECOND YEAR.

2A. *Clinical Urology.*

Group classes, 4 demonstrations, in which instruction in methods of Urological examination is given in the Montreal General and Royal Victoria Hospitals.

(See Surgery—2B).

\*On Military Service.



## FOURTH YEAR.

4A. *Survey of Urology.* 12 lectures.

In the Surgical trimester:—

4B. *Urological Clinics*—Ward Classes.

The Montreal General Hospital—2 classes a week.

Royal Victoria Hospital—3 classes a week.

4C. *Case Reporting in Urological Wards.*

## SURGERY

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics and demonstrations and group teaching in the wards and out-patient department of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

## REQUIRED COURSES

## SECOND YEAR.

Surgical teaching begins in the spring term (16 weeks) of the Second Year. In this year special attention is directed to the instruction and training of the student, in proper methods of physical examination, from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

*Courses.*2A. *Amphitheatre clinics*, in the Montreal General Hospital and Royal Victoria Hospital, two days a week during the term.2B. *Group classes* in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

## THIRD YEAR.

The student comes into a more intimate contact with the patients, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, and assists at operations.



*Courses.*

- 3A. *Amphitheatre Clinics and Demonstrations* in the Montreal General and Royal Victoria Hospitals, two days a week throughout the year.
- 3B. *Group Ward classes* in the Montreal General and the Royal Victoria Hospitals, once a week during the term.
- 3C. *Case Reporting.* Patients are allotted to students who act as reporters, dressers, and assistants at operations.
- 3D. *Military Lectures.* A course of 8 lectures on War Surgery, one evening a week.

## FOURTH YEAR.

*Courses.*

- 4A. *Amphitheatre Clinics and Demonstrations* in the Montreal General and Royal Victoria Hospitals alternately, once a week throughout term.
- 4B. *Group ward classes* in the Montreal General and Royal Victoria Hospitals, twice a week during the term.
- 4C. *Case Reporting.*
- 4D. *Clinico-Pathological conferences* once a week during the term, jointly with the Department of Pathology, at the Montreal General and Royal Victoria Hospitals.
- 4E. *Military Lectures.* A course of 8 lectures on War Surgery, one evening a week.

SURGICAL DISEASES OF CHILDREN.—Instruction in the surgical diseases of children is given during the trimester in which the students are assigned to paediatrics at the Children's Memorial Hospital, as follows:—

- 4A. *Amphitheatre Clinics* once a week throughout trimester.
- 4B. *Group Ward Classes* three times a week throughout trimester.

## ORTHOPAEDIC SURGERY

## FOURTH YEAR COURSES.

- 4A. *Clinical Lectures.* A course of 8 lectures given at the University.
- 4B. *Ward Classes* at the Montreal General and Royal Victoria Hospitals, once a week during the surgical trimester.
- 4C. *Group Classes in the Out-door Department* of the Montreal General and Royal Victoria Hospitals, twice a week during the surgical trimester.



**ANAESTHESIA.**—Instruction in anaesthesia is given by the Department of Pharmacology and Clinical Therapeutics. Students are given practical instruction in the administration of anaesthetics, during their surgical trimesters in the Third and Fourth Years at the Montreal General and Royal Victoria Hospitals.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology and Bacteriology.

The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

*Text-books:—*

1. *General Surgery*: John Homans, "A Text-book of Surgery"; Choyce, C. C., "A System of Surgery"; Gask and Wilson, "Surgery"; Hamilton Bailey, "Demonstrations of Physical Signs in Clinical Surgery"; Christopher Cole and Elman; Romanis and Mitchener; Handfield, Jones and Porrett, "The Essentials of Modern Surgery"; Rose and Carless, "Manual of Surgery"; Berman's Synopsis of Principles of Surgery; Pack and Livingston's "Treatment of Carcinoma"; Christopher's "Minor Surgery".

2. *Emergency Surgery*: Sluss, John W., "Manual of Emergency Surgery"; Cole & Puestow, "Advanced First Aid".

3. *Surgical Anatomy*: McGregor, "Synopsis of Surgical Anatomy"; Treves, "Surgical Applied Anatomy".

4. *Fractures and Dislocations*: Scudder, Charles L., "Treatment of Fractures"; Wilson and Cochrane, "Fractures and Dislocations"; Magnuson's "Fractures"; Stimson's "Manual of Fractures and Dislocations"; Wilson's "Management of Fractures"; Key and Conwell's "Fractures and Dislocations"; Watson Jones "Fractures and other Bone and Joint Injuries"; Key and Conwell, "Fractures, Dislocations and Sprains".

5. *Case Reporting*: White, J. Renfrew, "The Clinical Examination of Surgical Cases"; Geckeler's Fractures and Dislocations.

6. *Urology*: Eisendrath and Rolnick's "Urology"; Herman's "Practice of Urology"; Hinman's "Principles and Practice of Urology"; Keyes and Ferguson's "Urology"; Young's "Practice of Urology"; Le Comte's Manual of Urology.

7. *Orthopaedic Surgery*: Whitman's "Orthopaedic Surgery"; Jones, "Orthopaedic Surgery of Injuries"; Jones and Lovett, "Orthopaedic Surgery"; Mercer's "Orthopaedic Surgery"; Willis Campbell's "Orthopaedic Operations"; Sever's "Handbook of Operative Surgery"; Steindler's "Orthopaedic Operations".



## OBSTETRICS AND GYNÆCOLOGY

*Professor and Chairman of the**Department*.....J. R. FRASER*Associate Professors*.....{A. D. CAMPBELL  
N. W. PHILPOTT*Clinical Professor*.....J. W. DUNCAN*Assistant Professor*.....W. A. G. BAULD*Lecturers*.....{J. S. HENRY  
P. J. KEARNS  
G. C. MELHADO  
IVAN PATRICK  
ELEANOR PERCIVAL*Demonstrators*.....{K. T. MACFARLANE  
C. V. WARD\*  
S. E. AYRE*Assistant Demonstrator*.....G. B. MAUGHAN\**A. A. Brown Fellow*.....*Teaching Fellow*.....S. GOLD*Sessional Lecturers*.....{GEORGE STREAN  
G. T. ALTIMAS

The entire course is arranged on the basis of imparting a practical knowledge of Obstetrics, Gynaecology and the Care of the New-born. Throughout all trimesters the value of intimate contact with the patient in the normal and the pathological state is stressed.

The privilege of serving as an interne in the hospital for two weeks treating the patients from the time of admission till discharge from hospital is an ideal arrangement. Rooms are provided in the Women's Pavilion where the students may reside, in groups of six, during this period.

## OBSTETRICS

## REQUIRED COURSES

## THIRD YEAR.

1. Thirty-five Clinical Conferences for all Third Year students, Wednesday 12.45-1.45 p.m., illustrating the more important Obstetrical conditions. Prof. Fraser.
2. Thirty-five lectures relative to the anatomy and physiology of the pelvis as well as a general introduction to Obstetrics and associated Gynaecological lesions. Prof. Philpott.

\*On military service.



3. Thirty demonstrations are given in Obstetrical palpation and on the manikin, with the aid of models, diagrams, lantern slides and moving pictures.  
Given by Members of the Staff.
4. Clinical instruction for twelve periods in case-rooms and wards.  
Given by Members of the Staff.
5. Six lectures concerning early development of the embryo and the placenta.  
Given by Members of the Staff.
6. Six lectures or demonstration periods relative to the care of the New-born.  
Prof. Struthers and Prof. Ross.

## FOURTH YEAR.

1. Thirty-five Clinical Conferences for all Fourth Year students, Wednesday, 12.45-1.45 p.m., illustrating the more important Obstetrical conditions.  
Prof. Fraser.
2. Staff Conference held once a week is arranged to give a complete account of the work of the hospital. This is attended by those students in the current Obstetrical Trimester.  
Prof. Philpott.
3. Fifteen lecture demonstrations are held in the Lecture Theatre on the following subjects:—
 

Normal Labour . . . . .	Prof. Philpott.
Dystocia . . . . .	Dr. Melhado.
Toxaemia of Pregnancy . . . . .	Dr. Foote.
Haemorrhage . . . . .	Prof. Henry.
Puerperal Infection . . . . .	Prof. Campbell.
4. Special Theatre Clinic conducted each Saturday at 9 a.m. to 10 a.m. for the term group.  
Prof. Campbell.
5. Fourteen instruction periods including conduct of pregnancy, labour and puerperium in Out-patient Department, Case-rooms and Wards.  
Given by Senior Members of Staff.

## GYNÆCOLOGY

1. Theatre clinics and bedside instruction in the Royal Victoria and Montreal General Hospitals. Professors Fraser, Campbell and Staff.
2. A special course on Gynæcological Pathology. Dr. P. J. Kearns.



3. Methods of Gynæcological examination, diagnosis and treatment in the outdoor departments.
4. A special course of instruction, once a week, through the year in the cancer clinic on methods of diagnosis and treatment of cancer, dealing especially with Radium and X-Ray. Prof. Bauld and Staff.

## TEXT AND REFERENCE BOOKS

## OBSTETRICS.

- |                    |   |
|--------------------|---|
| (1) De Lee         | Principles and Practice of Obstetrics.    |
| (2) Stander        | Text book on Obstetrics.                  |
| (3) Ten Teachers   | Midwifery.                                |
| (4) Harper         | Clinical Obstetrics.                      |
| (5) Bourne         | Synopsis of Midwifery and Gynæcology.     |
| (6) Johnson, R. W. | Text book of Midwifery.                   |
| (7) Bland          | Practice of Obstetrics.                   |
| (8) Miller, J.     | Manual of Obstetrics.                     |
| (9) Appleton       | Obstetrical and Gynæcological Monographs. |
| (10) Peterson      | Demonstration Course in Obstetrics.       |
| (11) Irving        | Text book on Obstetrics.                  |
| (12) Beck          | Obstetrical practice.                     |
| (13) Adair         | Obstetrics.                               |

## GYNÆCOLOGY.

- |                       |  |
|-----------------------|--|
| (1) Graves            | Text book of Gynæcology.   |
| (2) Curtis            | Text book of Gynæcology and System of Gynæcology and Obstetrics. |
| (3) Ten Teachers      | Diseases of Women.   |
| (4) Monroe Kerr       | Gynæcology.  |
| (5) Blair Bell        | Principles of Gynæcology.  |
| (6) Kelly, Howard     | Text book of Gynæcology.   |
| (7) Goodall           | Puerperal Infection.   |
| (8) Crossen           | Gynæcology.  |
| (9) Kennedy, Campbell | Vaginal Hysterectomy.  |



## OPHTHALMOLOGY

<i>Professor and Chairman of the</i>	J. A. MacMILLAN
<i>Department</i> .....	STUART RAMSEY
<i>Assistant Professor</i> .....	{ K. B. JOHNSTON
<i>Lecturers</i> .....	{ J. ROSENBAUM
	{ J. V. V. NICHOLLS*
<i>Demonstrators</i> .....	{ B. ALEXANDER
	{ R. J. VIGER*

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses in the Third and Fourth Year of the Medical Course:—

## THIRD YEAR.

## 1. ROUTINE EXAMINATION OF THE EYE.

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours.....Professor MacMillan and members of the Staff.

## THIRD YEAR.

## 2. LECTURE DEMONSTRATIONS TO ENTIRE CLASS.

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the Final Year.

Ten hours.....Professor MacMillan.

## FOURTH YEAR.

## CLINICAL OPHTHALMOLOGY.

This teaching is conducted in the Ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals. The class is divided into groups of ten, each group receiving twenty-five hours instruction. Ocular problems that are of greatest moment in general practice are discussed. This includes the external diseases of the eye, the main ophthalmological findings in systemic disorders, affections of the nervous system, and as far as possible a co-relation of the clinical and histological ocular changes.

Professor MacMillan and members of the Staff.

*Text-books:*—May, Gifford, Parsons, Berens.

*Reference books:*—Duke-Elder.

\*On military service.



## OTO-LARYNGOLOGY

<i>Assistant Professor and Chairman of the Department.....</i>	D. H. BALLON
<i>Assistant Professor.....</i>	G. E. HODGE
<i>Lecturers.....</i>	<div style="display: inline-block; vertical-align: middle;"> <div style="display: inline-block; vertical-align: middle;"> W. J. McNALLY R. P. WRIGHT K. O. HUTCHISON G. E. TREMBLE A. O. FREEDMAN E. E. SCHARFE </div> </div>
<i>Demonstrators.....</i>	<div style="display: inline-block; vertical-align: middle;"> <div style="display: inline-block; vertical-align: middle;"> G. E. M. HILTON F. W. SHAVER </div> </div>

Instruction in Oto-Laryngology is given to students of the third and fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

## THIRD YEAR:

A course of 10 demonstrations is given to students of the Third Year. These demonstrations deal with the normal anatomy of the ear, nose and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose and throat. Ward rounds are made to illustrate the pre- and post-operative methods of treatment.

## LECTURE COURSE:

Ten practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the oesophagus.



## FOURTH YEAR:

Ten clinical demonstrations are given in the out-patient departments and wards of the hospitals. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

*Text and Reference Books:*—Sir St. Clair Thomson: Diseases of the Nose and Throat; A. Logan Turner: Diseases of the Nose, Throat and Ear; Chevalier Jackson and G. M. Coates: The Nose, Throat and Ear and Their Diseases; Philip O. Kerrison: Diseases of the Ear; Chevalier Jackson: Bronchoscopy, Oesophagoscopy and Gastroscopy; D. H. Ballon; Chapters on Bronchoscopy and Oesophagoscopy in Surgical Diseases of the Chest by Evarts A. Graham, J. J. Singer, Harry C. Ballon.

## RADIOLOGY

<i>Associate Professor and Chairman of the Department</i> .....	CARLETON B. PEIRCE**
<i>Associate Professor</i> .....	W. L. RITCHIE
<i>Assistant Professors</i> .....	{ E. C. BROOKS A. E. CHILDE J. W. MCKAY
<i>Demonstrators</i> .....	{ J. J. L. BOUCHARD* DOUGLAS C. EAGLESHAM* JAMES G. TYE

## COURSES OFFERED

## FIRST YEAR.

In co-operation with the Department of Anatomy, demonstrations are given of the Roentgenologic anatomy of the skeletal, respiratory, gastrointestinal and urogenital systems, including fluoroscopic demonstrations of functional anatomy of joints, the thoracic viscera and the alimentary tract.

Associate Professor Peirce and Staff.

## SECOND YEAR.

## Introduction to Radiology:

In co-operation with the Department of Medicine (Course II 2) as an introduction to special methods in Physical Diagnosis, the various means of Radiologic examination are demonstrated to small groups of students in the Montreal General Hospital and the Royal Victoria Hospital. The fluoroscopic and roentgenographic methods of study of the cardio-respiratory and gastro-intestinal systems especially are compared with the clinical means in physical examination.

Associate Professor Peirce and Staff.  
Associate Professor Ritchie and Staff.

\*\*On Part-time Military Service.

\*On Military Service.



## THIRD YEAR.

## III ROENTGEN PATHOLOGY AND RADIATION THERAPY:

A course of 20 lectures presenting the general features of roentgen interpretation, systemic roentgen pathology and the principles of roentgen and radium therapy.

Associate Professors Peirce and Ritchie.  
Assistant Professors Brooks, Childe & McKay.

## FOURTH YEAR.

## IV-A CLINICAL RADIOLOGY:

(1) A course of six lectures on special clinical applications of roentgen rays and radium radiation.

Associate Professors Peirce and Ritchie  
and Members of the Staff.

IV-A (2) Conference periods, two hours weekly each quarter during which the students in the several hospitals discuss clinical case material with the Members of the Department.

Children's Memorial Hospital—Asst. Prof. Childe.  
Montreal General Hospital—Assoc. Prof. Ritchie.  
Assist. Prof. McKay and Staff.  
Royal Victoria Hospital—Assoc. Prof. Peirce,  
Assist. Prof. Brooks and Dr. Tye.

IV-A (3) Tumour Conference: the final year students attend Tumour or Neoplasm Conferences in the several teaching hospitals, wherein all means of diagnosis and treatment of malignant neoplasms, especially, are considered by representatives of all departments of the teaching staffs, and their experience reviewed.

## POST-GRADUATE INSTRUCTION

Post-graduate training prerequisite to certification in the specialty by the Royal College of Physicians and Surgeons (Canada) or the American Board of Radiology is available in the teaching hospitals to selected graduates of approved Faculties or Schools of Medicine.

*Text and Reference Books:*—Roentgen Interpretation, Holmes and Ruggles; Text Book of Radiology, Shanks, Kerly and Twining; Diagnostic Radiology, Golden (et al); Head and Neck in Roentgen Diagnosis, Pancoast, Pendergrass & Schaeffer; Roentgenology, Kohler; Urological Roentgenology, Wesson and Ruggles; Clinical Roentgenology of the Cardio-vascular system, Roessler; The Digestive Tract, Barclay; Theoretical Principles of Roentgen Therapy, Pohle; Clinical Roentgen Therapy, Pohle; Physical Foundations of Radiology, Glasser, Quimby, Taylor & Weatherwax.



## RESEARCH INSTITUTE OF ENDOCRINOLOGY

<i>Director</i> .....	J. B. COLLIP
<i>Asst. Professor</i> .....	ROBERT L. NOBLE
<i>Lecturers</i> .....	(A. H. NEUFELD* C. GWENDOLINE TOBY
<i>Fellow</i> .....	HECTOR MORTIMER

This Institute established in 1941 and housed in the West Wing of the Medical Building is devoted to research in the fundamentals of endocrinology. It is not an undergraduate teaching department, but is closely associated with the Faculty of Graduate Studies and Research and the Faculty of Medicine and affords facilities for properly qualified graduates to work for the Ph.D. degree.

The Institute is under the direction of Professor J. B. Collip, Gilman Cheney Research Professor of Endocrinology. Dr. Robert L. Noble is the senior assistant in the Physiological branches of the subject and Dr. A. H. Neufeld is the senior assistant in the biochemical branches.

A limited number of graduate students will be accepted. Entrance requirements are either the degree of Doctor of Medicine with high standing in the courses for that degree, or the M.Sc. degree in Physiology or Biochemistry or its equivalent in training in these subjects.

The minimum period in which a student with a B.Sc. or an M.D. degree can obtain a Ph.D. degree is three years. A student with an M.Sc. degree or its equivalent may qualify for the Ph.D. degree in a minimum of two years. It is not proposed to do any didactic teaching in the Institute, but candidates for a Ph.D. degree will be required to pass a comprehensive examination in the subject and to submit a thesis.

Inquiries concerning the Institute should be addressed to the Director.

## GRADUATE INSTRUCTION

1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.
2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is \$30.00 a term (10 weeks).

\*On military service.



\*3. COURSE FOR DIPLOMA IN PUBLIC HEALTH: This course is specially designed as a thorough training for medical men in public health.

The duration of the course is one academic year.

The curriculum is as follows:—

(a) A course dealing in a comprehensive manner with the general principles of Public Health and Preventive Medicine.

(b) A course covering health organization, legislation and administration.

(c) A course on vital statistics and records, including practical work.

(d) Courses in bacteriology and parasitology, including laboratory work.

(e) Field work: Arrangements made with the Department of Health, Montreal, and the voluntary health agencies of Montreal.

Seminars are held throughout the year. Arrangements are made for special courses in such subjects as tuberculosis, venereal disease, etc., and for special visits.

Examinations are written, oral and practical.

The inclusive fee for the course is \$155 for British subjects and \$205 for non-British subjects.

\*4. COURSE FOR DIPLOMA IN VETERINARY PUBLIC HEALTH: A course leading to a Diploma in Veterinary Public Health (D.V.P.H.) has been organized under the Department of Public Health and Preventive Medicine, and is open to graduates of recognized schools of veterinary medicine.

The purpose of the course is to prepare veterinarians to render better service in the fields of public health, particularly in the control of food and milk supplies, into which they are now being brought.

The work occupies one academic year, with approximately 36 hours of instruction (lectures and laboratory work) per week.

The curriculum includes Public Health, Physiology, Dairy Bacteriology, Nutrition, Milk and Meat Hygiene, Epizootology and Public Health Parasitology.

The tuition fee for the course is \$150.

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\*Suspended for the present session,



## COURSE FOR DIPLOMA IN TROPICAL MEDICINE

This course is offered for the first time during the session 1944-45. Its object is to train medical graduates to deal with medical problems peculiar to tropical areas. In this connection, it has been approved by Faculty as satisfying the requirements of a fifth year of professional training, which is required of McGill graduates before a certificate is issued stating that his medical education is complete, and that he is eligible to sit the examinations of a licensing board. It is also suggested as a refresher course for medical graduates who have been working in the tropics, and wish to take advanced work in Parasitology and other branches related to tropical hygiene.

The Diploma will be granted to graduates of any recognized medical school after completion of three of the following units, of which (a) is compulsory:

- (a) Parasitology and Tropical Medicine (3 months).
- (b) Ambulatory patients (3 months).
- (c) Three months at an approved hospital in the tropics.
- (d) Public Health and Tropical Hygiene (3 months).

The fee for the course will be \$250.00. In the case of McGill graduates who take the course in lieu of the compulsory interne year the fee will be \$75.00.

## CURRICULUM

## (a) TROPICAL MEDICINE AND PARASITOLOGY.

DEAN D. L. THOMSON, PROFESSORS F. SMITH, T. W. M. CAMERON  
AND R. ST. J. MACDONALD.

*Sessional Lecturer:* MAJOR D. C. BEWS, RCAMC.

This basic course covers Bacteriology, Parasitology and Medical Entomology as applied to Tropical Medicine and includes an introduction to Nutrition and Hygiene as applied to the tropics, as well as a systematic review of the symptomatology, therapeutics, epidemiology and control of all the important Tropical Diseases. The course lasts twelve weeks (September to November) of which the first two are held in Montreal and the remainder at the Institute of Parasitology at Macdonald College. The class meets daily (Monday to Friday) from nine a.m. to five p.m., and includes, in addition to the systematic lectures, demonstrations in public health matters of importance to the tropics, including port hygiene, rat control, disinfection methods, as well as visits to various institutions. Special prominence is given to laboratory work, and each student studies not only the etiology and pathology of all important tropical diseases, but practical means of diagnosis.



## THE DISEASES CONSIDERED INCLUDE:

Malarias (including Blackwater fever), Trypanosomiasis, Leishmaniasis and Amoebiasis Relapsing fever and other Spirochaetal diseases. Rickettsial diseases. Bacillary dysenteries, enteric fevers, and Cholera, Plague, Leprosy, and Undulant fever. Anthrax and other diseases of animals in the tropics transmissible to man. Yellow fever, Dengue fever, and Phlebotomus fever. Schistosomiasis, Filariasis and disease caused by other helminths including Ascariasis, Hookworm disease, Trichinosis, Guinea-worm disease, Tapeworm disease and Hydatid, Intestinal, Liver and Lung Flukes. Sprue, Beriberi, Pellagra, Scurvy and Nutritional diseases in the tropics. Heat diseases and tropical skin diseases.

The laboratory course consists in a practical study of the causes and pathology of these diseases together with their vectors and control. (Mosquitoes, Midges, Lice, Flies, Fleas, Bugs, Ticks and Mites). Special attention is paid to diagnostic methods, including examination of the blood, sputum, faeces and urine. Microscopes will be provided.

## (b) COURSE IN CARE OF AMBULATORY PATIENTS.

The series of courses in this unit are arranged to give supervised experience in the important diseases common to tropical and temperate climates. Emphasis is placed upon the actual handling of clinical cases. These will be, for the most part, ambulatory patients, attending Hospital and Child Welfare Clinics. Disease will be considered in its various aspects as a community problem. The following courses have been arranged:

- (a) *Syphilology*: 12 lectures, and three practical periods weekly for three months in the Out-patient Department. Dr. L. P. Ereaux and one period weekly on Public Health aspects.
- (b) *Dermatology*: 12 lectures and two practical periods weekly for three months in the Out-patient Department. Dr. Ereaux.
- (c) *Tuberculosis*: practical work three mornings weekly at the Royal Edward Laurentian Hospital, and weekly seminars. Dr. H. E. Burke and staff.
- (d) *Child Welfare Clinics*: three afternoons a week at the Chandler Health Centre. Dr. L. M. Lindsay.
- (e) Additional work in *Paediatrics*. Dr. R. R. Struthers and in *Haematology*. Dr. Joseph Kaufmann.

## (c) CLINICAL INSTRUCTION IN THE TROPICS.

This will consist of a minimum of three months clinical instruction at a hospital in the tropics approved by Faculty. Faculty shall have power to exempt from this course, candidates who have been engaged for at least twelve months in the Treatment of Tropical Diseases in any tropical or sub-tropical country.



**\*\* (d) PUBLIC HEALTH AND TROPICAL HYGIENE.**

This course deals with the general principles of Public Health and Preventive Medicine (including vital statistics and records). Special attention will be paid to Tropical life and problems arising from Tropical climates, including water, food, housing and cooling of buildings, disposal of waste, care of the sick, control of nomads and native labour. Suitable demonstrations and visits will be arranged.

**THE MEDICAL BUILDING**

This Building, erected in 1911, at a cost of over \$600,000, contains the Offices of Administration, the Medical Library (with its 65,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Public Health and Preventive Medicine, the Research Institute of Endocrinology and the Museums of Anatomy, Pathology and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The Laboratories for Histology and Embryology have excellent facilities, with space for 120 students, and smaller rooms for research.

**THE BIOLOGICAL BUILDING**

Completed in 1922 at a cost of over \$500,000, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the Laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anæsthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

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\*Suspended for the present session.



### THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and includes a Pathological Museum and museum workshops. It combines under one roof, quarters for teaching and research in these departments, both for the University and for the Royal Victoria Hospital. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.

### THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neuro-surgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, laboratories, etc., the building provides complete residential accommodation for six research fellows.

### THE ALLAN MEMORIAL INSTITUTE

In 1943 a large building and site were donated as a basis for the development of an Institute of Psychiatry. The building has been reconstructed to permit of the establishment of a fifty bed unit, together with extensive research laboratories, and was officially opened July 12th, 1944. Plans have been drawn up for the carrying out of undergraduate and post-graduate teaching in the Faculty of Medicine.

## HOSPITALS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thus made easy.



The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

Royal Victoria Hospital.  
Montreal General Hospital.  
Children's Memorial Hospital.  
Foundling Division, Children's Memorial Hospital.  
Alexandra Hospital for Infectious Diseases.  
Verdun Protestant Hospital.  
Royal Edward Laurentian Hospital.  
The Royal Victoria Montreal Maternity Hospital.

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 2,000 beds.

THE ROYAL VICTORIA HOSPITAL, in juxtaposition to the University buildings, is a general hospital for acute diseases and contains 693 beds and 96 cribs. In a typical year, it cared for 16,637 cases, while in its outdoor department 68,994 cases were treated. Many new additions have been made in the Hospital. A modern University Medical Clinic was established in 1924.

There were 66.2% post-mortems.

The number of resident physicians is 70.

THE ROYAL VICTORIA-MONTREAL MATERNITY PAVILION, with 214 beds for obstetrical and gynæcological cases, was opened in June, 1926. In this institution there are 117 teaching beds and an organized outpatient service which is of the greatest benefit to the undergraduate student. In a typical year, the obstetrical service cared for 2,252 confinements in the Hospital and 210 in the Out-patient Service. In the gynæcological section, 1,803 cases were admitted during the year.

There are ten resident physicians.

THE MONTREAL GENERAL HOSPITAL, CENTRAL AND WESTERN DIVISIONS, is a general hospital for the treatment of acute diseases and contains 600 beds. In a recent year there were 12,200 admissions. The number of patients' visits to the Outpatient Department of both Divisions totals 174,977. Many modern additions to the original buildings have been made permitting increased bed capacity. There is a large biochemical laboratory completely equipped for the complete investigation of the metabolic aspects of disease and in conjunction with this department there is an outpatient clinic, one of the largest on the continent, for the treatment of diabetes mellitus. There were 573 autopsies performed which represents 85% of all autopsies obtainable, i.e., other than coroner's cases, etc. Post Mortem and surgical material at both Divisions is now used for teach-



ing, and clinical teaching is carried out in the public wards at both Divisions. The number of resident physicians is 52. The Dental Clinic of the University completed in 1921 is located at the Central Division and has 50 dental chairs with a large and varied clientele. The number of visits to the Dental Clinic for a recent year was 19,065.

THE CHILDREN'S MEMORIAL HOSPITAL has 267 public beds, and, in a typical year, admitted 3,807 patients. The attendance at its out-door department totalled over 32,459 visits. This hospital admits all classes of cases of disease in children, and enables the students to get a broad concept of pædiatrics. Of special interest are the newly-built wards with cubicles, the Department of Remedial Gymnastics, the Open-air Pavilions, and the well-equipped out-patient service.

There were 97 autopsies per year, which represents 88.3% of all deaths.

The number of resident physicians is 12.

THE ALEXANDRA HOSPITAL FOR INFECTIOUS DISEASES, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 172 beds, and, in a typical year, 2,008 patients were admitted to the hospital. There were 14 autopsies.

The number of resident physicians is 3.

THE VERDUN PROTESTANT HOSPITAL has 1,100 beds.

THE ROYAL EDWARD LAURENTIAN HOSPITAL, in its new building, 3674 St. Urbain St., has space for 70 beds, with operating room, X-Ray equipment and modern facilities for the examination of patients; it is essentially a dispensary for tuberculosis and offers adequate material for teaching students the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

## LIBRARY

*Honorary Librarian*.....R. L. STEHLE

The Library occupies the central front section of the medical building. It contains more than 65,000 bound volumes and an extensive collection of pamphlets, theses, government publications and other items.



On the third floor are the pleasant, well-lighted reading room, capable of accommodating seventy-five readers, and the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library—ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes, some dating back to the sixteenth century. Among the books and journals the ophthalmological section, due in large measure to many gifts from the late Dr. Casey A. Wood, is excellent.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7.30 to 10.00 p.m., except Saturdays, when it is closed at 5 p.m. After June 15th it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

### THE OSLER LIBRARY

*Librarian* . . . . . W. W. FRANCIS

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 9,500 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death ("*Bibliotheca Osleriana*," Clarendon Press, Oxford, 1929, xxxvi, 785 pp.)

The books are classified in eight sections, of which the first, the "*Bibliotheca Prima*," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its *Incunabula*, a valuable collection of 137 books printed in the fifteenth century.



The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

## MEDICAL SOCIETIES

### 1. THE MCGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

- (1) To transact all matters of business connected with the undergraduate body.
- (2) To stimulate interest along medical lines.
- (3) To assist students to express themselves in public with facility.
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.



## 2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Third and Fourth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

## 3. THE OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.



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THE HISTORY OF THE UNITED STATES OF AMERICA  
FROM 1763 TO 1876

By CHARLES A. BEAN, D.D., LL.D., President of the University of Michigan

Published by the American Book Company, New York, 1876.

Entered as Second-Class Matter, May 1, 1879, under No. 100,000, Post Office at New York, N. Y., and at special rate of postage provided for in Act of October 3, 1878. Accepted for mailing at special rate of postage provided for in Act of October 3, 1878, authorized on July 1, 1880.

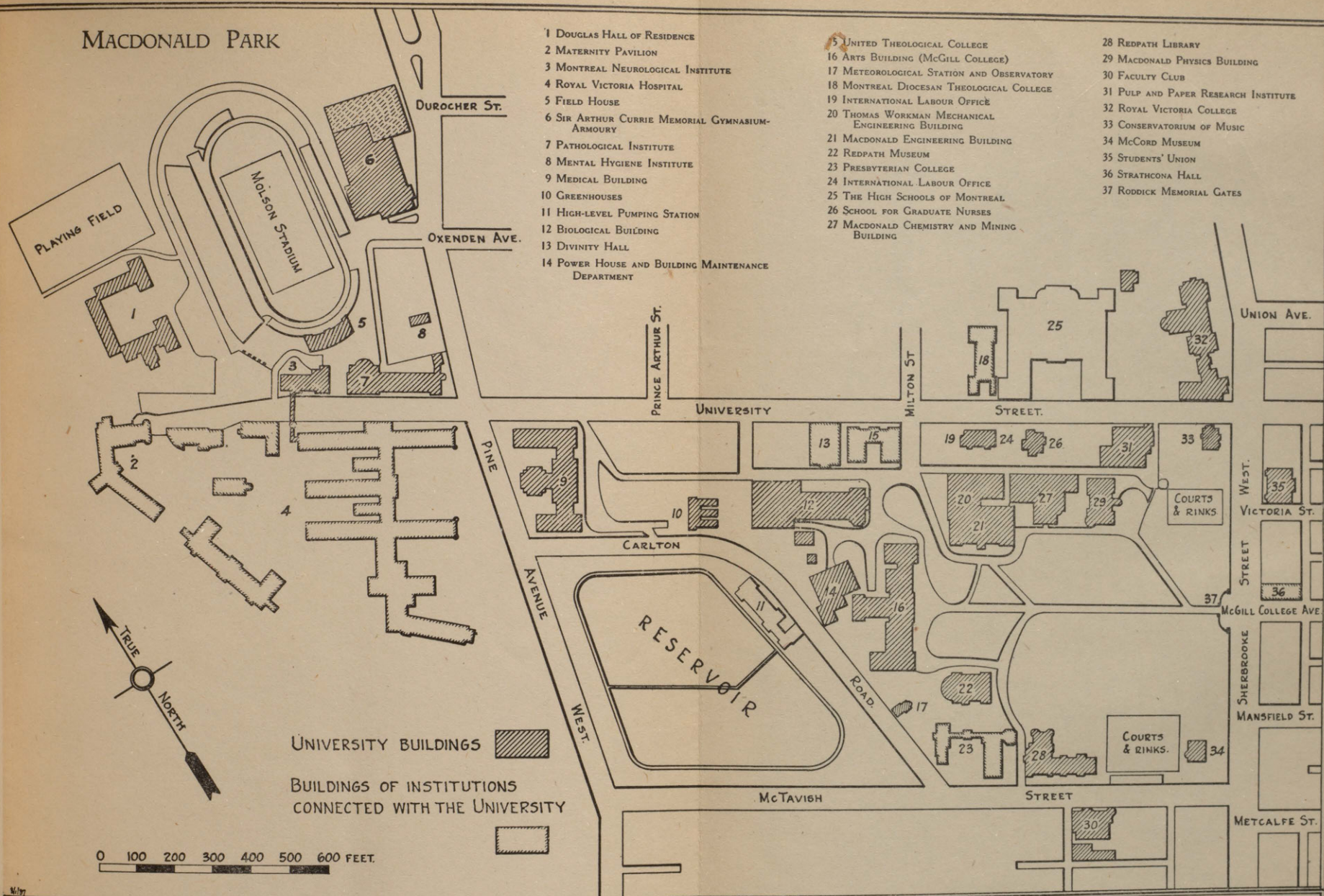
Postage paid at New York, N. Y., and at additional mailing offices.

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# MACDONALD PARK



## MCGILL UNIVERSITY—PLAN OF GROUNDS







McGILL UNIVERSITY  
MONTREAL



FACULTY OF MEDICINE

1945-1946



UNIVERSITY OF MICHIGAN  
LIBRARY



UNIVERSITY OF MICHIGAN

LIBRARY



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# McGILL UNIVERSITY

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## FACULTY OF MEDICINE

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### ADMINISTRATIVE OFFICERS

<i>Principal</i> .....	F. CYRIL JAMES, Ph.D., D.C.L.
<i>Dean of the Faculty</i> .....	J. C. MEAKINS, C.B.E., M.D., F.R.C.S., F.R.C.P., F.R.S.C.
<i>Secretary of the Faculty</i> .....	J. F. McINTOSH, B.A., M.D., C.M.
<i>Bursar</i> .....	W. BENTLY, C.G.A., A.C.I.S.
<i>Registrar</i> .....	T. H. MATTHEWS, M.A.
<i>University Librarian</i> .....	GERHARD R. LOMER, M.A., Ph.D., F.L.A.
<i>Honorary Medical Librarian</i> .....	R. L. STEHLE, M.A., Ph.D.
<i>Osler Librarian and Director of the Museum of the History of Medicine</i>	W. W. FRANCIS, A.B., M.D.
<i>Assistant Secretary of the Faculty</i> ....	MISS G. D. MUDGE.

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A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate announcement, which may be obtained from the Registrar's Office. The announcement also contains the names of members of the staff on active service.







## FACULTY OF MEDICINE

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The one hundred and thirteenth session of the Faculty will open on September 5th, 1945, for students of the 1st year.

### REQUIREMENTS FOR ENTRANCE

The minimum requirement for admission to the medical course is the satisfactory completion of three full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof), including courses in the following subjects: Physics, one year with laboratory work; Biology, one year of General Biology or Zoology with laboratory work; half year of Botany and half year of Zoology will be accepted, but not one year of Botany alone; Chemistry, two full courses, including one full course of Organic Chemistry with laboratory work. Candidates for admission shall furnish evidence that they have satisfied the matriculation requirements of the Licensing Body where they wish to practise.

### EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

The equivalent courses of study in schools accepted by this University shall be determined from time to time. Acceptance of a course of study as equivalent may not include the examination in that subject held by the accepted school, but the student may be required to pass such examinations, individual or comprehensive, as may be required by the Faculty.

### APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than March 1st.



A fee of \$25.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Dean or Secretary of the Faculty, when possible, is advisable.

### REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office on Tuesday, September 4th, 1945. Those who register after this date will be required to pay a late registration fee of \$5.00 if they register during the first week of the session and \$10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.



## FEES

## UNIVERSITY FEES

## 1. REGULAR STUDENTS.

Annual fee for British students.....	\$375.00
By instalments: each of two instalments.....	190.00
Annual fee for Non-British students.....	475.00
By instalments: each of two instalments.....	240.00

## 2. REPEATING A YEAR.

British students repeating a year pay.....	375.00
Non-British students repeating a year pay.....	475.00

## 3. PARTIAL STUDENTS.

Qualified students may be admitted as partials to one or more courses on payment of special fees.

## 4. AD EUNDEM FEE.

Students entering any year above the first pay a special <i>ad eundem</i> fee of.....	\$10.00
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## 5. DIPLOMA OF PUBLIC HEALTH FEES.

The fee for the graduate course in Public Health, including laboratory and outdoor work, as well as student Health Service fee, is \$155.00 for British and \$205.00 for non-British students.

## 6. CAUTION MONEY.

Payable by every student, and returned, less deductions for damage, loss, etc., at the end of the session.....	\$10.00
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## STUDENT FEES

## FEES FOR THE SUPPORT OF STUDENT ORGANIZATIONS.

Regular students (men).....	\$12.00
Regular students (women).....	10.00
Partial students.....	5.00

## DATES OF PAYMENT

Fees are due and payable at the Bursar's Office between the hours of 9 a.m. and 4 p.m. on the following dates:—

Tuesday, September 4th, to Thursday, September 6th, inclusive, or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on February 1st. An additional \$2.00 is charged for payment after the specified dates.



Students registering late pay their fees at the time of registration failing which they become subject to the provisions of the above paragraph.

Fees for students in the Fourth Year of the accelerated course are payable at the Bursar's Office on Tuesday, September 4th, to Thursday, September 6th, inclusive. If desired, these fees may be paid in two instalments, due in September and February upon payment of the instalment fee of \$5.00. If additional instalments are desired special arrangements should be made with the Chief Accountant. Students eligible to receive their diplomas at the Fall Convocation in October must pay all fees before that date, as otherwise the diploma will be withheld. Immediately after the prescribed dates for the payment of fees the Bursar will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Bursar.

All fees of Canadian and British Empire students are payable in Canadian Currency. Fees of students from the United States are payable in U.S. dollars, upon which the current premium of 10% will be allowable.

Domicile will in general determine whether a student pays the British or Non-British fees. A student who is uncertain which rate he will be required to pay should consult the Registrar.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

#### MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine. Suitable microscopes may be secured through the University, either by outright purchase or on an annual rental basis. If the student desires at a later date to purchase the instrument which he has been using, the rental fees are credited to his account.

#### BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement (page 84 to 89).

#### HEALTH SERVICE

For details of the Health Service and Medical Examinations see the General Information Pamphlet included in this Announcement (page 82).



## COURSES FOR THE DEGREE OF M.D., C.M.

The minimum period of professional training required by the University as a qualification for the independent practice of Medicine shall be five years, including

- a. four years of medical study in the University leading to the degree of M.D., C.M.; and
- b. one year of internship in an approved hospital.

## OR

one year of further medical study in the Faculty of Medicine of McGill University or at another medical school approved by it.

While the Faculty Administration exercises a general supervision of arrangements for internships, the Faculty of Medicine assumes no responsibility to provide an internship for any student.

A certificate that his medical education is completed and that he is eligible to sit for the examination of a licensing board shall not be issued to any graduate until the University is in possession of satisfactory evidence that he has completed the full requirements.

There are three sessions of thirty-six weeks each and one session (final session) of thirty-two weeks, all exclusive of examination periods. The sessions usually begin the first Tuesday after the first Monday in September (Labour Day) and continue until the first week of June in the first three years and to the first week in May in the final year.

The academic session is divided into four terms in the first and fourth session and into three terms in the second and third sessions. The minimal period of study for the degree of M.D., C.M., is, therefore, four sessions of study comprising one hundred and forty weeks exclusive of examination periods.

## DECELERATION OF THE MEDICAL COURSE.

The introduction of summer terms to accelerate the graduation of medical students was introduced as a "war measure" in 1942. Classes admitted in September, 1943 and subsequently, have returned to the pre-war schedule outlined in a previous paragraph.

The arrangement of the principal subjects of instruction is usually as follows:

## FIRST SESSION:

Anatomy (including Histology and Embryology), Physiology, Biochemistry, Psychobiology and Medical Sociology, Introduction to Medicine.



## SECOND SESSION:

Pharmacology, General Pathology, Bacteriology and Immunology, Parasitology, Laboratory Diagnosis, Medicine, Surgery, Obstetrics, Health and Social Medicine, Psychiatry.

## THIRD SESSION:

Special Pathology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynæcology, Pædiatrics, Psychiatry, Therapeutics, Ophthalmology, Oto-laryngology, Medical Jurisprudence, Radiology.

## FOURTH SESSION:

Medicine,\* Surgery,\* Obstetrics and Gynæcology, Psychiatry, Pædiatrics, Ophthalmology, Otolaryngology, Radiology.

\*In these subjects are included the following:—

*Medicine*—Dermatology, Neurology, Clinical Therapeutics.

*Surgery*—Orthopædics, Urological Surgery, Neurosurgery, Anæsthesia.

## EXAMINATIONS

The examinations taken within the Medical Faculty are divided into two groups, namely, major examinations and minor examinations. Major examinations are the final examinations in Anatomy (Embryology), Histology, Physiology, Biochemistry, Pharmacology, Bacteriology and Immunology, Pathology, Health and Social Medicine, Pædiatrics, Medicine, Surgery, Obstetrics, and Gynæcology, Psychiatry.

Minor examinations include the final examinations in Parasitology, Medical Jurisprudence, Ophthalmology, Otolaryngology, Radiology and examinations preliminary to the final major examinations.

A student who fails in any major examination will be required before he sits a supplemental examination to present to the Dean's office from the senior professor of the Department concerned a certificate that the student has taken sufficient extra tuition as would indicate that he has reviewed the subject and is a suitable candidate for the supplemental examination.

There is a strict difference between the importance of a major and a minor examination. If a student fails in the supplemental of a major examination, there are definite restrictions as hereinafter set forth, while failure in the supplemental of a minor examination permits the student to carry conditions as are hereinafter laid down.

A student who fails in the supplemental of one (or two) minor examination may proceed with other subjects in the following year, carrying such subject as a condition, but may not sit any subsequent major ex-



aminations until such conditions have been removed, nor may more than two conditions be carried at one time.

All conditions must be removed by the end of the first term (November) in each session when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year and to repeat the courses of the Winter and Spring terms.

A student who fails in the supplementals of three or more minor examinations in any one session must repeat this session or may be asked to retire, as may be decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A failure in the supplemental of a major examination will require the student to repeat the course (repeat the year), and no student may repeat such a course more than once. Any student who fails in the supplementals of two major examinations in any one year shall be required to retire without the privilege of further supplementals.

A student is not allowed supplementals in three major examinations in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student is not allowed supplementals in two major and one minor examination in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A student in the final year may take a supplemental examination in one subject only at the end of the following September, but must present a certificate from the senior professor of the Department concerned that he has taken at least three months' extra tuition in this subject in one of the teaching hospitals of McGill Faculty of Medicine. If he should fail in this supplemental examination, he must repeat the year of study and pass all the major examinations at the completion of the session.

A student in the final year who fails in two subjects will not be permitted supplementals but must repeat the year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student will not be allowed to repeat a year more than once nor may he repeat a subsequent year if such repetition has been due to failure in examinations, except on special recommendation of the Promotion Committee, acting upon the motion of the representatives on the committee of the department concerned.



A student who has been permitted to repeat his year shall be required to make a C+ grade, which for this purpose is considered to be 65%, or he will not be permitted to continue his course.

A schedule of the times of major and minor examinations shall be published as a supplement to these ordinances at the beginning of each academic session.

Examinations, tests, reviews, etc., may be held during the session by any department in its time of instruction, provided that no more than twenty-four (24) hours' notice is given. It is understood that such examinations, tests or reviews are conducted for the benefit of the student in order that he may have experience in the requirements of the sessional examinations, and further, that he and his teachers may know how he is progressing in his studies.

There shall be two Promotion Committees. The First Committee shall consist of representatives of the subjects of Anatomy, Biochemistry, Histology, Physiology, Pharmacology, Bacteriology, Parasitology, Pathology, and Endocrinology, appointed by the Dean, and the Dean and Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the first and second years. The second Committee shall consist of representatives of the Departments of Pathology, Bacteriology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynæcology and Pædiatrics, appointed by the Dean, and the Dean and Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the third and fourth years.

All results of examinations will be given out by the Dean's office, after they have been passed upon by the Promotion Committee. It is an absolute rule that no examination results shall be communicated by any other channel.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.

### C. GRADING

At the conclusion of each course, students are graded in five groups, as follows:—

- A=Excellent
- B=Good
- C=Fair
- D=Doubtful
- E=Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.



The grade assigned to a student is based upon the results of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

#### FELLOWSHIPS, SCHOLARSHIPS, BURSARIES, MEDALS, PRIZES, AND LOAN FUNDS

Details of fellowships, scholarships, bursaries, medals, and prizes open to undergraduate and graduate students in Medicine, and of the University Loan Fund may be found in the Scholarships Announcement.

#### REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.

2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University. (See page 491).

3. No one is permitted to become a candidate for the degree who has not attended at least one full session at this University.

4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.

5. He must have attended during at least three sessions of nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.

6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.

7. Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

#### REQUIREMENTS FOR LICENCE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right



of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before *beginning* the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained. This has been changed to four years as a war-time measure.

N.B.—In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC—Dr. J. Paquin, 1896 Dorchester St. West, Montreal.

ONTARIO—Dr. Robert T. Noble, 566 University Ave. Toronto, Ont.

NEW BRUNSWICK—Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

NOVA SCOTIA—Dr. H. L. Scammell, 196 Atlantic St., Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. I. J. Yeo, Charlottetown, P.E.I.

MANITOBA—Dr. W. G. Campbell, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. George R. Johnson, 336 8th Ave. W., Calgary, Alta.

SASKATCHEWAN—Dr. A. W. Argue, 307 Birks Bldg., Saskatoon, Sask.

BRITISH COLUMBIA—Dr. A. J. MacLachlan, 203 Medical-Dental Building, Vancouver, B.C.

The Registrar for Newfoundland is Dr. C. Macpherson, P.O. Box 5121, St. John's, Nfld.

#### DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.



## GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION OF GREAT BRITAIN

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

## COURSES OF INSTRUCTION

### ANATOMY

<i>Robert Reford Professor and</i>	
<i>Chairman of the Department</i> . . .	C. P. MARTIN
<i>Associate Professor of Histology</i> . .	H. SELYE
<i>Assistant Professors of Anatomy</i> . .	{ D. S. FORSTER
	{ S. M. FRIEDMAN
<i>Assistant Professor of Histology</i> . .	C. P. LEBLOND*
<i>Lecturer in Anatomy</i> . . . . .	E. W. WORKMAN
<i>Sessional Lecturer in Anatomy</i> . . .	R. M. H. POWER
<i>Sessional Lecturers in Histology</i> . .	{ ELEANOR BELAND
	{ OCTAVIA HALL
<i>Demonstrators in Anatomy</i> . . . . .	{ G. E. PERRIGARD
	{ CAMPBELL GARDNER
	{ CONSTANCE FRIEDMAN
	{ ERIC HALL
<i>Demonstrators in Histology</i> . . . . .	{ GEORGES MASSON
	{ KEITH YONGE
	{ F. C. FRASER
<i>Research Associate</i> . . . . .	ELEANOR C. HAY
<i>Research Fellows</i> . . . . .	{ HANS F. JENSEN
	{ G. M. C. MASSON

### REQUIRED COURSES

#### 1 GROSS ANATOMY.

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms of the First Medical Year.

\*On military service.



## 2. APPLIED ANATOMY.

One hour per week lecture and demonstration during the Winter and Spring terms of the Third Medical Year. This course is conducted mainly by clinicians from the Royal Victoria and Montreal General Hospitals.

(Suspended for duration of the war.)

*Text-books:*—Gray's "Anatomy" (English Edition) or Cunningham's "Text-Book of Anatomy."

*Practical Manuals:*—Cunningham's "Manual of Practical Anatomy;" Johnston's "Synopsis of Regional Anatomy."

*Optional Texts:*—Quain, Piersal, Spalteholz Atlas, Fraser's "Anatomy of the Human Skeleton," Buchanan, Fraser and Robbins, Larsell, Ramson.

## ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

## 3. ADVANCED NEURO-ANATOMY.

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton, assisted by Dr. Kershman. The class is limited to ten. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

## 4. PHYSICAL ANTHROPOLOGY.

Lectures and practical courses will be arranged for students when required.

## MICROSCOPIC ANATOMY

## REQUIRED COURSE

## 5. HISTOLOGY.

The study of the histological structure of the body. Two hours lectures and six hours laboratory work per week during the first 28 weeks of the First Medical Year.

*Text-book:*—Bailey, "Text-Book of Histology."

*Optional Texts:*—Cowdry, Lewis, and Bremer, Jordan, Maximow and Bloom (Schafer).

## ELECTIVE COURSE

## 6. EXPERIMENTAL MORPHOLOGY.

Bi-weekly seminar. In this course current problems and discoveries in Experimental Morphology are discussed by members of the staff and graduate students.



# EMBRYOLOGY

## REQUIRED COURSE

### 7. THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY.

One hour per week lecture and three hours per week laboratory work during second half of the First Medical Year.

*Text-book*:—Arey, "Developmental Anatomy."

*Optional Texts*:—Jordan, Simkins, Bailey and Millar, Keith, Fraser.

## PHYSIOLOGY

*Joseph Morley Drake Professor and*

*Chairman of the Department* . . . . . H. E. HOFF

*Research Professor* . . . . . B. P. BABKIN (Post Retirement).

*Associate Professor* . . . . . N. GIBLIN

*Assistant Professor* . . . . . S. DWORKIN

*Lecturers* . . . . . { RONALD GRANT  
KATHLEEN TERROUX

*Demonstrators* . . . . . { RHODA GRANT  
ARMINE ALLEY

## REQUIRED COURSES

### 1. FIRST YEAR LECTURES.

Tuesday, Thursday, Saturday, at 9 a.m. (beginning in October).

### 1P. FIRST YEAR LABORATORY.

Three hours a week during last 32 weeks.

### 2. SECOND YEAR LECTURES.

Monday, Wednesday, Friday, at 9 a.m., Autumn and Winter Terms.

### 2P. SECOND YEAR LABORATORY.

Six hours a week and laboratory demonstration. Autumn Term.

*Text-books*:—

Systematic Physiology—Human.

Howell, Textbook of Physiology; Starling (and Evans), Human Physiology; MacLeod (and Bard), Physiology in Modern Medicine.

Clinical Physiology.

Samson Wright, Applied Physiology; Wiggers, Physiology in Health and Disease; Best and Taylor, Physiological Basis of Medical Practice.

## OTHER COURSES

(Available only for students who have obtained Honours in the Required Courses, and by application to the Chairman of the Department.)

### 3. ADVANCED LECTURES.

### 3P. ADVANCED LABORATORY



## BIOCHEMISTRY

<i>Professor and Chairman of the Department</i> . . . . .	D. L. THOMSON
<i>Associate Professor</i> . . . . .	R. D. H. HEARD
<i>Assistant Professor</i> . . . . .	O. F. DENSTEDT
<i>Sessional Lecturer</i> . . . . .	H. SOBEL
<i>Research Associate</i> . . . . .	DOROTHY OSBORNE

## COURSES OFFERED IN BIOCHEMISTRY

## FIRST YEAR.

*Biochemistry 1.* Mon., Wed., Fri., at 9 a.m. (beginning in October).

*L. Laboratory:* Three hours a week during last 32 weeks.

Dr. Thomson.

*Text-books:*—Bodansky, "Introduction to Physiological Chemistry" (Wiley); Cameron, "Text-book of Biochemistry" (Macmillan); Williams, "Text-book of Biochemistry" (van Nostrand); Schmidt and Allen, "Fundamentals of Biochemistry" (McGraw-Hill).

## SECOND YEAR.

*Nutrition*, 10 lectures, in the first term of the second year.

Dr. Thomson.

*Biochemistry 2, Endocrinology.* 25 lectures, from October to April in the second year.

Dr. Heard.

Other courses offered by the Department are listed in the Announcements of the Faculties of Arts and Science, and of Graduate Studies and Research.



## PATHOLOGY

*Strathcona Professor and Chairman**of the Department*.....G. LYMAN DUFF*Associate Professor*.....THEO. R. WAUGH*Assistant Professors* :.....{ JOHN D. HAMILTON  
J. E. PRITCHARD*Lecturers*.....{ R. H. MORE  
W. H. MATHEWS  
F. W. WIGLESWORTH*Demonstrator*.....C. R. McLEAN*Sessional Demonstrators*.....{ ELEANOR MACKENZIE  
M. A. SIMON*Fellows*.....{ G. C. McMILLAN  
JOHN D. PALMER  
D. C. WILSON

## REQUIRED COURSES

1. COURSE IN GENERAL PATHOLOGY (Second Year).
  - A. Two lectures per week (with epidiascopic and microscopic demonstrations) during the Winter and Spring terms (52 lectures).  
Professor Duff.
  - B. Two practical laboratory classes per week during the Spring Term (80 hours practical work).  
Professor Duff, Professor Hamilton and Demonstrators.
2. COURSE IN SPECIAL PATHOLOGY (Third Year).
  - A. Two lectures per week during the Autumn, Winter and Spring Terms (72 lectures).  
Professor Duff, Professor Waugh, Professor Hamilton and Lecturers.
  - B. Two practical laboratory classes per week during the Winter and Spring Terms (96 hours practical work).  
Professor Duff and Staff.
  - C. One demonstration of gross pathological material per week to students in small groups of 15 each, during Autumn, Winter and Spring Terms (36 hours).  
Professor Hamilton, Dr. More and Dr. Simon.
3. COURSE IN APPLIED PATHOLOGY (Third and Fourth Years.)
  - A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter and Spring Terms (36 hours).....Professor Duff.



- B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter and Spring Terms. Time according to material.  
 Pathological Institute. . . . . Professor Duff and Dr. More.  
 Montreal General Hospital. . . . Dr. Pritchard and Dr. Mathews.  
 Children's Memorial Hospital. Dr. Wiglesworth and Dr. Eleanor MacKenzie.

*Text-books*:—MacCallum, A Text-Book of Pathology (Saunders); Karsner, Human Pathology (Lippincott); Boyd, Text-Book of Pathology (Lea & Febiger); Muir, Text-Book of Pathology (Arnold); Moore, Text-Book of Pathology (Saunders);

#### REFERENCE BOOKS.

*General*:—Bell, Text-Book of Pathology (Macmillan); Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Forbus, Reaction to Injury (Williams & Wilkins); Reimann, Kaufmann's Pathology (Blakiston); Smith & Gault, Essentials of Pathology (Appleton Century); Ewing, Neoplastic Diseases (Saunders); Willis, The Spread of Tumours in the Human Body (Churchill);

*Special*:—Naegeli, Blutkrankheiten und Blutdiagnostik, (Julius Springer); Whitby & Britton, Disorders of the Blood (Churchill);

Biggart, Pathology of the Nervous System (Livingstone);

Buzzard and Greenfield, Pathology of the Nervous System (Churchill); Freeman, Neuropathology (Saunders);

Novak, Gynæcological & Obstetrical Pathology (Saunders);

Geschikter & Copeland, Tumours of Bone (American Journal of Cancer);

Farber, The Post Mortem Examination (Charles Thomas); Mallory, Pathological Technique (Saunders); Saphir, Autopsy Diagnosis and Technique (Hoeber);

#### BACTERIOLOGY AND IMMUNITY

<i>Professor and Chairman</i> . . . . .	E. G. D. MURRAY
<i>Associate Professor and Acting</i>	
<i>Chairman</i> . . . . .	FREDERICK SMITH
	{ T. E. ROY*
<i>Assistant Professors</i> . . . . .	{ C. D. KELLY
	{ D. S. FLEMING
<i>Demonstrator</i> . . . . .	G. G. KALZ
<i>Research Associate</i> . . . . .	CATHERINE MACPHERSON

\*On military service.



## REQUIRED COURSES

All lectures and laboratory courses are given in the Department of Bacteriology (Pathological Institute).

## COURSE 1. ELEMENTARY MEDICAL BACTERIOLOGY AND IMMUNITY.

Three lectures and 6 hours laboratory work a week. First term II.

## COURSE 1. S. ELEMENTARY GENERAL BACTERIOLOGY FOR ARTS AND SCIENCE STUDENTS. III.

## COURSE 2. APPLIED MEDICAL BACTERIOLOGY AND IMMUNITY AND THE PROCESSES OF INFECTIOUS DISEASES. Second term II.

Two lectures and demonstrations a week. Second term. . .

## COURSE 3. BACTERIOLOGY AND IMMUNITY FOR HONOURS B.Sc.

Six lectures and 12 hours laboratory work a week throughout the year. IX.

(Full details of the courses can be obtained by application to the Registrar).

*Text-books*.—Hans Zinsser and G. Bayne-Jones, Textbook of Bacteriology (Appleton); R. Muir and J. Ritchie, Manual of Bacteriology (Oxford University Press); R. T. Hewlett and James McIntosh, Manual of Bacteriology (Churchill); T. J. Mackie and J. E. McCartney, Practical Bacteriology (Livingstone); J. W. Bigger, Handbook of Bacteriology (Bailliere Tindall & Cox); Hans Zinsser, Resistance to Infectious Diseases (Macmillan); W. W. C. Topley and G. S. Wilson, The Principles of Bacteriology and Immunity (Edward Arnold & Co.); W. W. C. Topley, An Outline of Immunity (Arnold); M. Langeron, *Precis de Microscopie* (Masson & Cie); D. H. Bergey, Manual of Determinative Bacteriology (Williams & Wilkins); E. O. Jordan and W. Burrows, Text-Book of Bacteriology (Saunders); Frederick P. Gay, Agents of Disease and Host Resistance (C. C. Thomas); N. P. Sherwood, "Immunology" (Mosby Co.); H. Zinsser, J. F. Enders, L. D. Fothergill, "Immunity Principles and Application in Medicine and Public Health" (Macmillan Co.); R. W. Fairbrother, A Text-book of Medical Bacteriology (W. Heineman, Ltd.).

## PARASITOLOGY

*Professor and Chairman of the  
Department* . . . . . T. W. M. CAMERON

*Lecturer* . . . . . IVAN W. PARNELL

*Sessional Lecturer* . . . . . D. C. BEWS\*

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\*On military service.



## REQUIRED COURSES

## SECOND YEAR.

- 2A. HUMAN PARASITOLOGY.—This course on the animal parasites of man (protozoa, helminths and arthropods) comprises about 45 hours of instruction. Special attention is given to parasites found in North America, their diagnosis, bionomics and pathogenesis as well as to the more important animal vectors of disease. Exotic forms are more briefly discussed. In the practical class, each student examines all the important species as well as the lesions caused by them.

First term— Two lectures and one laboratory period per week.

ELECTIVE COURSES.—The Department not only provides facilities for advanced research work at the Institute of Parasitology, but offers didactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research).

*Text-book*:—Cameron, T. W. M., "The Parasites of Man in Temperate Climates."

## HEALTH AND SOCIAL MEDICINE†

*Strathcona Professor and Chairman of*

*Department*..... R. P. VIVIAN

*Assistant Professor and Senior Health*

*Officer*..... C. W. MACMILLAN

*Assistant Professor*..... FRANK G. PEDLEY\*\*

*Lecturer*..... R. VANCE WARD

This Department, which replaces the Department of Public Health and Preventive Medicine, is in process of organization. For this reason, no details are here given with regard to the scope of its activities. Instruction will be given in all years.

## PHARMACOLOGY AND THERAPEUTICS

*Professor and Chairman of the*

*Department*..... R. L. STEHLE

*Associate Professor of*

*Therapeutics*..... D. S. LEWIS

*Associate Professor of*

*Pharmacology*..... K. I. MELVILLE

*Lecturer in Therapeutics*..... W. DE M. SCRIVER

*Lecturer in Anaesthesia*..... WESLEY BOURNE

*Lecturer in Pharmacology*..... A. M. FRASER\*

†Replacing the Department of Public Health and Preventive Medicine.

\*\*On leave of absence.

\*On military service.



## PHARMACOLOGY

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

### REQUIRED COURSES

- 1A. PHARMACOLOGY. The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Three lectures a week during the Winter Term supplemented by one conference and one demonstration a week. Second Year.

The conference groups are limited to four students each.

Professors Stehle and Melville.

- 1B. PHARMACOLOGICAL LABORATORY. The experiments are chosen to illustrate the lecture course.

Two periods (six hours) a week during the Winter Term. Second Year.

Professors Stehle and Melville.

## THERAPEUTICS

The teaching of therapeutics will be closely linked with that of medicine.

### REQUIRED COURSES

2. PHARMACY AND PRESCRIPTION WRITING. Five lectures and five laboratory periods. Dr. Scriver.
- 3A. THERAPEUTICS: Didactic Instruction. A series of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

- 3B. THERAPEUTICS: Theatre Lectures. Fifteen clinical lectures to be given in the hospitals during the year in conjunction with the teaching of the Department of Medicine. Dr. Lewis and Associates.

*Text-books in Pharmacology.* Cushny, Sollmann, Clark. *Text books in Therapeutics,* Beckman, Lyon, Reiman, Goodman and Gilman.

### OPTIONS

Suitably prepared students may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.



## MEDICINE

<i>Professor and Chairman of the Department</i> . . . . .	JONATHAN C. MEAKINS
<i>Professor</i> . . . . .	L. C. MONTGOMERY
<i>Associate Professors</i> . . . . .	G. R. BROW, J. S. L. BROWNE, E. H. MASON, E. S. MILLS, I. M. RABINOWITCH
<i>Assistant Professors</i> . . . . .	C. C. BIRCHARD, J. KEITH GORDON, J. KAUFMAN, D. S. LEWIS, C. F. MOFFATT, W. DE M. SCRIVER.
<i>Lecturers</i> . . . . .	C. R. BOURNE, NEIL FEENEY, A. F. FOWLER, C. W. FULLERTON, A. T. HENDERSON, W. R. KENNEDY, J. F. MCINTOSH, J. H. PALMER.* COLIN SUTHERLAND, C. J. TIDMARSH, R. VANCE WARD, R. H. M. HARDISTY } D. W. McKECHNIE } Post-retirement
<i>Demonstrators</i> . . . . .	L. J. ADAMS, C. B. BARKER, D. BARZA, R. C. BENNETTS, J. O. W. BRABANDER, HUGH BURKE, H. I. CRAMER, B. R. CUDDIHY, W. W. EAKIN, GUY HAMEL, C. R. JOYCE, H. E. MACDERMOT, J. F. MACIVER, W. G. McLELLAN, W. F. McMARTIN, D. L. MENDEL, J. G. MUNROE, M. NOTKIN, S. ORTENBERG, S. L. RICHARDSON, H. N. SEGALL, FRANCES SELYE, C. B. SMITH, F. M. SMITH, M. R. TOWNSEND.

## DERMATOLOGY

<i>Clinical Professors</i> . . . . .	J. F. BURGESS (On leave of absence) L. P. EREAU
<i>Lecturers</i> . . . . .	B. USHER F. KALZ

## CLINICAL THERAPEUTICS

<i>Associate Professor</i> . . . . .	D. S. LEWIS
<i>Lecturers</i> . . . . .	C. W. FULLERTON W. DE M. SCRIVER GUY FISK ( <i>Physiotherapy</i> ) NORMAN BROWN ( <i>Physiotherapy</i> )

\*On active service.



# TOXICOLOGY AND MEDICAL JURISPRUDENCE

A series of twenty-four lectures and demonstrations.

Professor Rabinowitch.

**TOXICOLOGY:** 1. DEFINITIONS; 2. OCCURRENCE OF POISONING—Accidental. (Food. Industrial. Clothes and Cosmetics. Patent Medicines. Therapeutic. Other). Suicidal. Homicidal. 3. MODE OF ACTION OF POISONS: Modifying Causes—Form. Amount. Mode of Entry into Body. Age. Habit. Sleep. Physical Condition of Subject. Idiosyncrasy. Other. 4. CLASSIFICATION OF POISONS. 5. ACUTE POISONING: Diagnosis—Similarity Between Poisoning and Disease. General Evidence of Poisoning. Rules for Diagnosis. TREATMENT: Principles. General Treatment. Antidotes—Limitations. 6. LEGAL: Control of Poisons—Dangerous Drugs Acts and Regulations. Relation of Doctor to Pharmacist. Administration of Noxious Drugs. Narcotics. 7. MEDICO-LEGAL CONSIDERATIONS IN CASES OF POISONING: Accident. Suicide. Murder. Duty of Doctor—In Suspected Cases. In Known Cases. Post-mortem examinations in Cases of Poisoning.

**MEDICAL JURISPRUDENCE:** A. 1. INTRODUCTION: Definitions—Law. Medicine. Forensic Medicine. 2. LEGAL POSITION OF DOCTORS. 3. OBLIGATION OF DOCTOR TO THE STATE: Medical Notifications and Certifications—Births. Stillbirths. Infectious Diseases. Deaths. Other. 4. RESPONSIBILITIES TO PATIENT: Implied and Expressed Contracts. Professional Secrecy. Privileged Communications. Medico-legal Aspects of Physical Examinations—Consent. 5. MALPRACTICE: Civil. Criminal. Negligence. Contributory Negligence. Errors of Commission. Consultations. Responsibility for Assistants. "Reasonable Care and Judgment". B. LEGAL CRIMINAL PROCEDURE: 1. INVESTIGATION OF SUDDEN DEATHS AND DEATHS FROM UNNATURAL CAUSES—Coroner's Court. 2. MEDICAL EVIDENCE IN COURTS OF LAW: *a.* Documentary. *b.* Oral. *c.* Experimental. 3. GENERAL RULES OF CONDUCT FOR MEDICAL WITNESSES: Professional Secrecy. Privileged Communications. Precognitions. Fees. C. MEDICO-LEGAL ASPECTS OF DEATH: 1. Signs of Death. 2. Apparent Death. 3. Proximate Causes of Death. 4. Sudden Death. 5. Presumption of Death—Presumption of Survivorship. 6. Medico-Legal Forms of Death. 7. Post-Mortem Examinations for Medico-Legal Purposes. 8. Identification of the Dead. D. PERSONAL IDENTITY IN ITS MEDICO-LEGAL BEARINGS: For Civil Purposes. For Criminal Purposes. Mistaken Identity. E. BLOOD STAINS: Medico-legal information from Blood Stains. Blood Grouping. F. WOUNDS: 1. Legal Definition. 2. Types. 3. Medico-legal Examination of a Wounded Person. 4. Causes of Death from Wounds. 5. Wounds after Death. G. MEDICO-LEGAL ASPECTS OF PREGNANCY: H. ABORTION: Duty of Doctor in Cases of Suspected Criminal Abortion and in Cases of Known Criminal Abortion. I. IMPOTENCE AND STERILITY.



J. RAPE. K. INFANTICIDE. L. MENTAL UNSOUNDNESS: Medical Certification of the Insane. Protection of Certifying Physicians. Admission of Voluntary Patients to Institutions for the Insane. M. DRUNKENNESS: 1. Dianosis: Clinical. Chemical. 2. Medico-legal Aspects—Civil. Criminal.

*Text and Reference Books:*—Buchanan's Text Book of Forensic Medicine and Toxicology. Medical Jurisprudence and Toxicology—Glaister. Forensic Medicine—Kerr. Forensic Medicine—Littlejohn. Legal Medicine and Toxicology—Gonzales, Vance and Helpner. Toxicology—McNally. Forensic Medicine—Sydney Smith. Recent Advances in Forensic Medicine—Sydney Smith and Glaister. Taylor's Principles and Practice of Medical Jurisprudence.

## THE CURRICULUM

### FOREWORD:

The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students, teachers and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The University lectures and clinical lectures are open to students of all years. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

### REQUIRED COURSES.

#### SECOND YEAR

Course II 1—*Integration of Physiology, Biochemistry and Anatomy with Medicine.*

Time—Last term of Second Year—Two lectures a week and one amphitheatre clinic.

Place—Medical Building.



*Subject Material*—This course covers in a systematic manner the deviations from the normal of the physiological and biochemical functions. These are correlated so as to explain symptoms and signs which may be found on physical examination as detected by clinical methods dealt with in Course II 2. This course follows a chronological order from birth to old age and is so interpreted as to give the student a panoramic view of these disturbances with a proper perspective.

*Course II 2—A Practical Course in Clinical Methods.*

*Time*—Last term of Second Year.

*Place*—Outpatient Dept. of the Royal Victoria and the Montreal General Hospitals.

*Subject*—Practical instruction 4 hours a week on Normal and Abnormal Physical Signs and one amphitheatre clinic.

*Course II 3—Laboratory Diagnosis.*

*Time*—Last term of Second Year.

*Place*—Medical Building.

*Subject*—Instruction and practice 2 periods a week in microscopy as applied to clinical medicine.

Dr. McIntosh and Assistants.

Third Year

*Course III 4—Amphitheatre Clinics in General Medicine.*

*Time*—Twice weekly throughout year.

*Place*—Royal Victoria and the Montreal General Hospitals.

*Subject*—Demonstration and discussion of cases illustrating certain disease processes.

*Course III 5—Bedside Clinics and Practical Demonstrations.*

*Time*—Twice weekly during the medical trimester.

*Place*—Wards of the Royal Victoria and the Montreal General Hospitals.

*Course III 6—Clinico-Pathological Conference*

*Time*—Weekly during the medical trimester.

*Place*—The Royal Victoria and the Montreal General Hospitals.

*Course III 7—Case Reporting.*

During the trimester in Medicine students will be assigned patients in the wards. They will be required to write case histories, make a general examination, note progress, and do such laboratory investigations as are within their scope.



Course III 8—*A Practical Course in Diseases of Metabolism.*

Time—Weekly during the medical Trimester.

Place—Royal Victoria and the Montreal General Hospitals.

Subject—This course consists of weekly Ward Rounds in the two Hospitals.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting Medicine.

Fourth Year

Course IV 9—*Amphitheatre Clinics in General Medicine.*

Time—Once a week throughout year.

Place—Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.

Course IV 10—*Bedside Clinics and Practical Demonstration.*

Time—Twice weekly during medical quarter.

Place—Wards of the Royal Victoria and the Montreal General Hospitals.

Course IV 11—*Clinico-Pathological Conference.*

Time—Once a week during medical quarter.

Place—Royal Victoria and the Montreal General Hospitals.

Course IV 12—*A systematic course of lectures designed to give a general survey of laboratory procedures and their interpretation.*

Course IV 13—*Clinical Therapeutics—practical instruction.*

Time—Once a week during the medical quarter.

Place—Royal Victoria and the Montreal General Hospitals.

Course IV 14—*A Course of Lectures in Medicine.*

Time—One period a week throughout year.

Place—Medical Building.

Subject—Lectures in General Medicine to give a general survey of medicine in all its clinical aspects.

Course IV 15—*A course of lectures in Dermatology.*

Time—One period a week throughout the year.

Place—Medical Building.

Subject—Lectures in Dermatology and Syphilology.

Course IV 16—*Dermatology and Syphilology—practical instruction.*

Time—Twice a week during one quarter.

Place—Montreal General and Royal Victoria Hospitals.



*Clinical Methods and Physical Diagnosis*.—Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Major, "Physical Diagnosis"; Murray, "Examination of the Patient"; Gradwohl, "Clinical Laboratory Methods and Diagnosis"; Hutchison and Hunter, "Clinical Methods"; Cabot & Adams, "Physical Diagnosis"; Department of Medicine, McGill University, "Guide to Medical Case Reporting".

*General Medicine*.—Smith & Gault, "Essentials of Pathology"; Yates, "Fundamentals of Internal Medicine"; McCombs, "Internal Medicine in General Practice"; Christian, "Osler's PRINCIPLES AND PRACTICE OF MEDICINE", 15th edition

PSYCHIATRY

<i>Department</i> . . . . .	D. EWEN CAMERON
<i>Clinical Professor</i> . . . . .	C. A. PORTEOUS
	R. B. MALMO
	M. PRADOS
<i>Assistant Professors</i> . . . . .	G. E. REED
	BARUCH SILVERMAN
<i>Lecturer</i> . . . . .	KARL STERN
<i>Sessional Lecturers</i> . . . . .	MAJOR A. A. BAILEY
	MAJOR K. MCGREGOR
	H. LEHMAN
<i>Demonstrators</i> . . . . .	LLOYD HISEY
	A. A. MCKAY
	C. SKITCH
<i>Research Fellow</i> . . . . .	EDRITA FRIED



## FOREWORD

Instruction in human behaviour is given in all four years. Emphasis is placed upon the personality factor in all forms of illness. Consequently, teaching is carried on in close relation with other aspects of medicine. It is planned to take full advantage of the teaching facilities not only of the Institute but of the wards and out-patient departments of the Royal Victoria Hospital and of the Montreal General Hospital.

Special prominence is given to those psychological and personality situations which the student will meet after graduation in his day to day teaching. Instruction in military psychiatry and in child psychiatry is given in the final years.

## REQUIRED COURSES

1. **PSYCHOBIOLOGY**—A course of twelve lectures will be given in the first year. In this course, the various aspects of human behaviour will be stressed, with special reference to their relationship to medicine.  
Dr. Cameron.
2. **PSYCHIATRY**—Eighteen lectures on the basis behavioral disorders will be given. During the second year both those disorders which require hospitalization and those which can be dealt with on an ambulant basis will be considered.  
Dr. Reed and Assistants.
3. A course of eight lectures will be given on child psychiatry during the fourth year.  
Dr. Silverman.
4. Clinical demonstrations, out-patient instruction and ward rounds will be held during the fourth year. Certain of these will be devoted to early behavioral disturbances, psychosomatic and toxic states, and drug addictions.  
Drs. Cameron, Stern and MacKay.
5. Instruction will be given in adult out-patient psychiatry in the Psychiatric Outdoor Department in the Royal Victoria Hospital, and in child out-patient psychiatry at the Mental Hygiene Institute.  
Drs. Prados and Silverman.
6. Instruction in military psychiatry will be given at the Allan Memorial Institute.  
Drs. Bailey and McGregor.
7. Instruction in the care of long term cases, and institutional psychiatry, will be given at the Allan Memorial Institute and Verdun Protestant Hospital.  
Drs. Reed, Skitch and Lehman.



## PAEDIATRICS

*Professor and Chairman of the**Department* . . . . . R. R. STRUTHERS\*\**Associate Professors* . . . . . { S. GRAHAM ROSS  
A. GOLDBLOOM, *Chairman**Assistant Professor* . . . . . L. LINDSAY*Lecturers* . . . . . { A. K. GEDDES  
ALAN ROSS\*  
JESSIE BOYD SCRIVER

B. BENJAMIN

*Demonstrators* . . . . . { J. H. O'NEILL  
S. J. USHER

E. M. WORDEN

*Sessional Demonstrators* . . . . . { C. STEWART

S. I. DOUBILET

F. SHIPPAM

## REQUIRED COURSES

1. LECTURE COURSE: A series of lectures on pædiatrics, intended as an introduction to various aspects of Diseases of Children—Hygiene—Nutrition—Infections—Family Relationships—Infectious Diseases and Preventive Medicine.

Once a week during the Autumn, Winter, and Spring terms (as announced) at the Medical Building or at the Children's Memorial Hospital.

Professor Goldbloom and Assistants.

2. DISEASES OF THE NEWBORN: Royal Victoria Maternity Pavilion.

A weekly clinic-demonstration to groups of students of the Third Year during their Obstetrics Trimester.

Professor Ross, Drs. Scriver and Worden.

3. CLINICAL PAEDIATRICS: During the final year the class is divided into groups, each group devoting five weeks to the study of the diseases of childhood, including: (a) General Pædiatrics—Children's Memorial Hospital. Daily bedside clinics by members of the department during the five week period spent by each student in attendance at the Children's Memorial Hospital—presentation of cases—discussion of case reports—ward rounds and staff rounds.

Staff Members.

(b) Normal Infant Feeding, Care and Development and Preventive Pædiatrics. Immunization Procedures. Drs. Scriver, Usher, Benjamin. Child Welfare Association Clinics.

\*On Military Service.

\*\*On Leave of Absence.



(c) *Infectious Diseases*: A series of demonstrations to groups of students on the common infectious diseases, is given at the Alexandra Hospital.  
Drs. Worden, C. Stewart.

*Text-books*: Holt and McIntosh, "Diseases of Infancy and Childhood"; Griffith and Mitchell "Diseases of Infants and Children"; Porter and Carter, "Management of the Sick Infant and Child"; Brown and Tisdall, "Common Procedures in Pædiatrics".

*Reference Books*: Brenneman, "Practice of Pædiatrics" (4 volumes); Parsons and Barling, "Diseases of Infancy and Childhood" (2 volumes); Langdon, "Home Guidance for Young Children"; Abt's "Pædiatrics" (8 volumes); Still, "Common Disorders and Diseases of Childhood"; John Thomson, "Clinical Study and Treatment of Sick Children".

#### DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

<i>Professor of Neurology and Neurosurgery, Chairman of Department</i> . . .	WILDER PENFIELD
<i>Associate Professor of Neurology</i> . . . . .	COLIN RUSSEL (post retirement)
<i>Associate Professor of Neurosurgery</i> . . .	WILLIAM CONE
<i>Clinical Professor of Neurology</i> . . . . .	F. H. MACKAY
<i>Assistant Professors of Neurology</i> . . . . .	{ K. A. C. ELLIOTT DONALD McEACHERN* FRANCIS McNAUGHTON ARTHUR W. YOUNG
<i>Assistant Professor of Neurosurgery</i> . . .	ARTHUR ELVIDGE
<i>Assistant Professor of Neurological Radiology</i> . . . . .	ARTHUR CHILDE
<i>Assistant Professor of Neurophysiology</i> . . . . .	HERBERT JASPER*
<i>Lecturers in Neurology</i> . . . . .	{ JOHN KERSHMAN* W. D. ROSS* NORMAN VINER
<i>Lecturer in Neuropathology</i> . . . . .	MURTON SHAVER
<i>Demonstrator in Neurology</i> . . . . .	J. PRESTON ROBB
<i>Demonstrator in Neuropathology</i> . . . . .	ARTHUR A. MORRIS, Jr.
<i>Research Fellows at the Montreal Neurological Institute</i> . . . . .	{ M. BORNSTEIN CHAO-JEN CHEN CARLOS CORONA ALFRED POPE**

\*On Military Service.

\*\*National Research Council Fellow.



## OUTLINE OF COURSES, 1945-46

## SECOND YEAR.

- 2A. *Clinical Neuroanatomy and Neurophysiology*. 4 lectures.  
Dept. of Medicine. Dr. F. McNaughton.
- 2B. *Physical Examination of the Nervous System*. 2 theatre clinics.  
Dept. of Medicine. (1 at M.G.H., 1 at R.V.H.). Clin. Prof. F. H. Mackay.

## THIRD YEAR.

- 3A. *Survey of Neurology and Neurosurgery*. 16 lectures.  
M.N.I. Amphitheatre. Professor Penfield and Assoc. Professor Russel.

## FOURTH YEAR.

- 4A. *Neurological and Neurosurgical Clinics*. 19 theatre clinics.  
M.N.I. Amphitheatre. Professor Penfield, Assoc. Professor Cone, Clinical Professor Mackay, Dr. F. McNaughton.
- 4B-1 *Neurological O.P.D.* R.V.H. Outpatient Department. Monday and Thursday afternoons. Dr. Young and assistants.
- 4C-1 *Neurology Ward Classes*. Dept. of Medicine. Wednesdays. M.N.I. (R.V.H. group). Assoc. Professor Russell.
- 4B-2 *Combined Neurological O.P.D. and Ward Classes*. M.G.H. Monday & Friday afternoons. (M.G.H. group). Clin. Professor F. H. Mackay and assistants.
- 4D-1 *Neurosurgery Ward Classes*. Dept. of Surgery. M.N.I. (R.V.H. group). Assoc. Professor Cone.
- 4D-2 *Neurosurgery Ward Classes*. Dept. of Surgery. M.N.I. (M.G.H. group). Dr. Elvidge.
- 4E-1 *Neurology Seminar*. R.V.H. Outpatient Department. Tuesday afternoons. Dr. F. McNaughton and Dr. J. P. Robb.
- 4E-2 *Neurology Seminar*. M.G.H. Outpatient Department. Friday afternoons. Dr. F. McNaughton and Dr. J. P. Robb.

## ELECTIVE COURSES.

- I. *Clinics on Diseases of the Nervous System*. R.V.H. Outpatient amphitheatre (if requested). Tuesdays 3-4 o'clock. Professor Penfield.
- II. *Contribution of the Basic Sciences to Neurology*. M.N.I. Tuesdays 5.30 p.m. Various members of the Department of Neurology and Neurosurgery, organized by Dr. McNaughton.
- III. *Advanced Neuroanatomy* (Anatomy 3). Construction of model of human brain. M.N.I. Monday and Tuesday, 8-10 p.m. (Registration limited to 10). Drs. McNaughton and Kershman.



## SURGERY

<i>Professor and Chairman of the Department</i> .....	FRASER B. GURD
<i>Professor</i> .....	F. E. McKENTY
<i>Associate Professors</i> .....	{ J. C. ARMOUR, J. G. W. JOHNSON, G. GAVIN MILLER, D. E. ROSS.
<i>Assistant Professors</i> .....	{ R. R. FITZGERALD, C. A. McINTOSH, L. H. McKIM, A. ROSS, A. J. STEWART, H. L. DAWSON, A. L. WILKIE, H. M. ELDER*.
<i>Lecturers</i> .....	{ J. C. LUKE*, S. J. MARTIN, H. F. MOSELEY, P. G. ROWE, S. G. BAXTER*, H. G. PRETTY.
<i>Demonstrators</i> .....	{ F. D. ACKMAN, H. A. BAXTER, F. H. CAYFORD, E. M. COOPER, H. S. DOLAN, MARK KAUFMANN, G. D. LITTLE, C. K. McLEOD, J. C. SUTTON.

## ORTHOPAEDIC SURGERY

<i>Lecturer</i> .....	N. T. WILLIAMSON
<i>Demonstrator</i> .....	S. E. GOLDMAN

## ANAESTHESIA

<i>Lecturers</i> .....	{ WESLEY BOURNE M. D. LEIGH C. C. STEWART F. A. H. WILKINSON
<i>Demonstrators</i> .....	{ A. M. TORRIE W. C. STOCKWELL

## UROLOGY

<i>Clinical Professors</i> .....	{ R. E. POWELL E. S. SMITH
<i>Lecturer</i> .....	M. I. SENG
<i>Demonstrators</i> .....	{ A. B. HAWTHORNE A. M. J. TANNEY R. G. REID

\*On Military Service.



## SECOND YEAR.

2A. *Clinical Urology*

Group classes, 4 demonstrations, in which instruction in methods of Urological examination is given in the Montreal General and Royal Victoria Hospitals.

(See Surgery—2B).

## FOURTH YEAR.

4A. *Survey of Urology*. 12 lectures.

In the Surgical trimester:—

4B. *Urological Clinics*—Ward Classes

The Montreal General Hospital—3 classes a week.

Royal Victoria Hospital—3 classes a week

4C. *Case Reporting in Urological Wards*.

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics and demonstrations and group teaching in the wards and out-patient departments of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

## REQUIRED COURSES

## SECOND YEAR.

Surgical teaching begins in the spring term (16 weeks) of the Second Year. In this year special attention is directed to the instruction and training of the student, in proper methods of physical examination, from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

*Courses.*

2A. *A course of lectures* (16) covering the history of Surgery and an introduction to the study of surgical diseases. This course includes five lectures on "First Aid."

2B. *Group classes* in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

## THIRD YEAR.

The student comes into a more intimate contact with the patients, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, and assists at operations.



- 3A. *Amphitheatre Clinics and Demonstrations* in the Montreal General and Royal Victoria Hospitals, two days a week throughout the year.
- 3B. *Group Ward classes* in the Montreal General and the Royal Victoria Hospitals, three times a week during the term.
- 3C. *Case Reporting*. Patients are allotted to students who act as reporters, dressers, and assistants at operations.

#### FOURTH YEAR.

##### *Courses.*

- 4A. *Amphitheatre Clinics and Demonstrations* in the Montreal General and Royal Victoria Hospitals alternately, once a week throughout term.
- 4B. *Group Ward Classes and Ward rounds* in the Montreal General and Royal Victoria Hospitals, four times a week during the term.
- 4C. *Case Reporting*
- 4D. *Clinico-Pathological conferences* once a week during the term, jointly with the Department of Pathology, at the Montreal General and Royal Victoria Hospitals.

SURGICAL DISEASES OF CHILDREN.—Instruction in the surgical diseases of children is given during the trimester in which the students are assigned to pædiatrics at the Children's Memorial Hospital, as follows:—

- 4A. *Amphitheatre Clinics* once a week throughout trimester.
- 4B. *Group Ward Classes* three times a week throughout trimester.

#### ORTHOPAEDIC SURGERY

##### FOURTH YEAR COURSES.

- 4A. *Clinical Lectures*. A course of 8 lectures given at the hospitals.
- 4B. *Ward Classes* at the Montreal General and Royal Victoria Hospitals, once a week during the surgical trimester.
- 4C. *Group Classes in the Out-door Department* of the Montreal General and Royal Victoria Hospitals, twice a week during the surgical trimester.

ANAESTHESIA.—Instruction in anæsthesia is given by the Department of Pharmacology and Clinical Therapeutics. Students are given practical instruction in the administration of anæsthetics, during their surgical trimesters in the Third and Fourth Years at the Montreal General and Royal Victoria Hospitals.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology and Bacteriology.



The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

*Text-books:—*

1. *General Surgery*: John Homans, "A Text-book of Surgery"; Choyce, C. C., "A System of Surgery"; Gask and Wilson, "Surgery"; Hamilton Bailey, "Demonstrations of Physical Signs in Clinical Surgery"; Christopher; Cole and Elman; Romanis and Mitchener; Handfield, Jones and Porrett, "The Essentials of Modern Surgery"; Rose and Carless, "Manual of Surgery"; Berman's Synopsis of Principles of Surgery; Pack and Livingston's "Treatment of Carcinoma"; Christopher's "Minor Surgery".

2. *Emergency Surgery*: Sluss, John W., "Manual of Emergency Surgery"; Cole & Puestow, "Advanced First Aid".

3. *Surgical Anatomy*: McGregor, "Synopsis of Surgical Anatomy"; Treves, "Surgical Applied Anatomy".

4. *Fractures and Dislocations*: Scudder, Charles L., "Treatment of Fractures"; Wilson and Cochrane, "Fractures and Dislocations"; Magnuson's "Fractures"; Stimson's "Manual of Fractures and Dislocations"; Wilson's "Management of Fractures"; Key and Conwell's "Fractures and Dislocations"; Watson Jones "Fractures and other Bone and Joint Injuries"; Key and Conwell, "Fractures, Dislocations and Sprains".

5. *Case Reporting*: White, J. Renfrew, "The Clinical Examination of Surgical Cases"; Geckeler's "Fractures and Dislocations."

6. *Urology*: Eisendrath and Rolnick's "Urology"; Herman's "Practice of Urology"; Hinman's "Principles and Practice of Urology"; Keyes and Ferguson's "Urology"; Young's "Practice of Urology"; Le Comte's Manual of Urology.

7. *Orthopædic Surgery*: Whitman's "Orthopædic Surgery"; Jones, "Orthopædic Surgery of Injuries"; Jones and Lovett, "Orthopædic Surgery"; Mercer's "Orthopædic Surgery"; Willis Campbell's "Orthopædic Operations"; Sever's "Handbook of Operative Surgery"; Steindler's "Orthopædic Operations".



## OBSTETRICS AND GYNAECOLOGY

<i>Professor and Chairman of the Department</i> .....	_____
<i>Associate Professors</i> .....	{ A. D. CAMPBELL N. W. PHILPOTT, <i>Acting</i> W. A. G. BAULD <i>Chairman.</i>
<i>Assistant Professors</i> .....	{ J. S. HENRY G. C. MELHADO
<i>Lecturers</i> .....	{ P. J. KEARNS IVAN PATRICK ELEANOR PERCIVAL
<i>Demonstrators</i> .....	{ J. E. AYRE W. R. FOOTE G. B. MAUGHAN K. T. MACFARLANE D. W. SPARLING
<i>A. A. Browne Fellow</i> .....	_____
<i>Teaching Fellow</i> .....	S. GOLD
<i>Sessional Lecturer</i> .....	GEORGE STREAN

The entire course is arranged on the basis of imparting a practical knowledge of Obstetrics, Gynæcology and the Care of the New-born. The value of intimate contact with the patient in the normal and the pathological state is stressed.

The privilege of serving as an interne in the hospital for two weeks treating the patients from the time of admission till discharge from hospital is an ideal arrangement. Rooms are provided in the Women's Pavilion where the students may reside, in groups of six, during this period.

## OBSTETRICS

## REQUIRED COURSES

## THIRD YEAR.

1. Thirty-five Clinical Conferences for all Third Year students, Wednesday 12.45-1.45 p.m., illustrating the more important Obstetrical conditions. Prof. Philpott.
2. Thirty-five lectures relative to the anatomy and physiology of the pelvis as well as a general introduction to Obstetrics and associated Gynæcological lesions. Prof. Philpott.
3. Thirty demonstrations are given in Obstetrical palpation and on the manikin, with the aid of models, diagrams, lantern slides and moving pictures. Given by Members of the Staff.



4. Clinical instruction for twelve periods in case-rooms and wards.  
Given by Members of the Staff.
5. Six lectures concerning early development of the embryo and the placenta.  
Given by Members of the Staff.
6. Six lectures or demonstration periods relative to the care of the New-born.  
Prof. Goldbloom and Prof. Ross.

## FOURTH YEAR.

1. Thirty-five Clinical Conferences for all Fourth Year students, Wednesday, 12.45-1.45 p.m., illustrating the more important Obstetrical conditions.  
Prof. Philpott.
2. Staff Conference held once a week is arranged to give a complete account of the work of the hospital. This is attended by those students in the current Obstetrical Course.  
Prof. Philpott.
3. Fifteen lecture demonstrations are held in the Lecture Theatre on the following subjects:—
 

Normal Labour.....	Prof. Philpott.
Dystocia.....	Dr. Melhado.
Toxæmia of Pregnancy.....	Dr. Foote.
Hæmorrhage.....	Prof. Henry.
Puerperal Infection.....	Prof. Campbell.
4. Fourteen instruction periods including conduct of pregnancy, labour and puerperium in Out-patient Department, Case-rooms and Wards.  
Given by Senior Members of Staff.

## GYNAECOLOGY

1. Theatre clinics and bedside instruction in the Royal Victoria and Montreal General Hospitals. Professors Fraser, Campbell and Staff.
2. A special course on Gynæcological Pathology. Dr. P. J. Kearns.
3. Methods of Gynæcological examination, diagnosis and treatment in the outdoor departments.
4. A special course of instruction, once a week, through the year in the cancer clinic on methods of diagnosis and treatment of cancer, dealing especially with Radium and X-Ray.  
Prof. Bauld and Staff.

## TEXT AND REFERENCE BOOKS

## OBSTETRICS.

- |             |  |
|-------------|--|
| (1) De Lee  | Principles and Practice of Obstetrics. |
| (2) Stander | Text book on Obstetrics.               |



- |                  |   |
|------------------|---|
| (3) Ten Teachers | Midwifery.                                |
| (4) Bland        | Practice of Obstetrics.                   |
| (5) Miller, J.   | Manual of Obstetrics.                     |
| (6) Appleton     | Obstetrical and Gynæcological Monographs. |
| (7) Peterson     | Demonstration Course in Obstetrics.       |
| (8) Irving       | Text book on Obstetrics.                  |
| (9) Beck         | Obstetrical practice.                     |
| (10) Adair       | Obstetrics.                               |

## GYNAECOLOGY.

- |                       |  |
|-----------------------|--|
| (1) Graves            | Text book of Gynæcology.   |
| (2) Curtis            | Text book of Gynæcology and System of Gynæcology and Obstetrics. |
| (3) Ten Teachers      | Diseases of Women.   |
| (4) Monroe Kerr       | Gynæcology.  |
| (5) Kelly, Howard     | Text book of Gynæcology.   |
| (6) Goodall           | Puerperal Infection.   |
| (7) Crossen           | Gynæcology.  |
| (8) Kennedy, Campbell | Vaginal Hysterectomy.  |

## OPHTHALMOLOGY

- Professor and Chairman of the Department* . . . . . J. A. MACMILLAN
- Assistant Professor* . . . . . STUART RAMSEY
- Lecturers* . . . . . { K. B. JOHNSTON  
J. ROSENBAUM
- Demonstrator* . . . . . B. ALEXANDER

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses in the Third and Fourth Year of the Medical Course:—

## THIRD YEAR

## I. ROUTINE EXAMINATION OF THE EYE.

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours . . . . . Professor MacMillan and members of the Staff.



## THIRD YEAR.

## 2. LECTURE DEMONSTRATIONS TO ENTIRE CLASS.

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the Final Year.

Ten hours.....Professor MacMillan.

## FOURTH YEAR.

## CLINICAL OPHTHALMOLOGY.

This teaching is conducted in the Ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals. The class is divided into groups of ten, each group receiving twenty-five hours instruction. Ocular problems that are of greatest moment in general practice are discussed. This includes the external diseases of the eye, the main ophthalmological findings in systemic disorders, affections of the nervous system, and as far as possible a co-relation of the clinical and histological ocular changes.

Professor MacMillan and members of the Staff.

*Text-books*:—May, Gifford, Parsons, Berens.

*Reference books*:—Duke-Elder.

## OTO-LARYNGOLOGY

*Assistant Professor and Chairman*

*of the Department*.....D. H. BALLON

*Assistant Professor*.....G. E. HODGE

*Lecturers*.....  
   W. J. McNALLY  
   R. P. WRIGHT  
   K. O. HUTCHISON  
   G. E. TREMBLE  
   A. O. FREEDMAN  
   E. E. SCHARFE

*Demonstrators*.....  
   G. E. M. HILTON  
   F. W. SHAVER

Instruction in Oto-Laryngology is given to students of the third and fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.



The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

#### THIRD YEAR:

A course of 10 demonstrations is given to students of the Third Year. These demonstrations deal with the normal anatomy of the ear, nose and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose and throat. Ward rounds are made to illustrate the pre- and post-operative methods of treatment.

#### LECTURE COURSE:

Ten practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the œsophagus.

#### FOURTH YEAR:

Ten clinical demonstrations are given in the out-patient departments and wards of the hospitals. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

*Text and Reference Books:*—Sir St. Clair Thomson: Diseases of the Nose and Throat; A. Logan Turner: Diseases of the Nose, Throat and Ear; Chevalier Jackson and G. M. Coates: The Nose, Throat and Ear and Their Diseases; Philip O. Kerrison: Diseases of the Ear; Chevalier Jackson: Bronchoscopy, Oesophagoscopy and Gastroscopy; D. H. Ballon: Chapters on Bronchoscopy and Oesophagoscopy in Surgical Diseases of the Chest by Evarts A. Graham, J. J. Singer, Harry C. Ballon.

#### RADIOLOGY

*Associate Professor* ..... CARLETON B. PEIRCE\*\*

*Associate Professor and Chairman  
of the Department* ..... W. L. RITCHIE

*Assistant Professors* ..... { J. J. L. BOUCHARD  
A. E. CHILDE  
J. W. MCKAY

\*\*On Part-time Military Service.



## COURSES OFFERED

## FIRST YEAR.

In co-operation with the Department of Anatomy, demonstrations are given of the Roentgenologic anatomy of the skeletal, respiratory, gastrointestinal and urogenital systems, including fluoroscopic demonstrations of functional anatomy of joints, the thoracic viscera and the alimentary tract.

Associate Professor Peirce and Staff.

## SECOND YEAR.

## Introduction to Radiology:

In co-operation with the Department of Medicine (Course II 2) as an introduction to special methods in Physical Diagnosis, the various means of Radiologic examination are demonstrated to small groups of students in the Montreal General Hospital and the Royal Victoria Hospital. The fluoroscopic and roentgenographic methods of study of the cardio-respiratory and gastro-intestinal systems especially are compared with the clinical means in physical examination

Associate Professor Peirce and Staff.

Associate Professor Ritchie and Staff.

## THIRD YEAR

## III ROENTGEN PATHOLOGY AND RADIATION THERAPY:

A course of 20 lectures presenting the general features of roentgen interpretation, systemic roentgen pathology and the principles of roentgen and radium therapy.

Associate Professors Peirce and Ritchie.

Assistant Professors Bouchard, Childe and McKay.

## FOURTH YEAR.

## IV-A CLINICAL RADIOLOGY:

(1) A course of six lectures on special clinical applications of roentgen rays and radium radiation.

Associate Professors Peirce and Ritchie  
and Members of the Staff.

IV-A (2) Conference periods, two hours weekly each quarter during which the students in the several hospitals discuss clinical case material with the Members of the Department.

Children's Memorial Hospital—Asst. Prof. Childe.

Montreal General Hospital—Assoc. Prof. Ritchie.  
Assist. Prof. McKay and Staff.

Royal Victoria Hospital—Assoc. Prof. Peirce,  
Assist. Prof. Bouchard and Staff.



IV-A (3) Tumour Conference: The final year students attend Tumour or Neoplasm Conferences in the several teaching hospitals, wherein all means of diagnosis and treatment of malignant neoplasms, especially, are considered by representatives of all departments of the teaching staffs, and their experience reviewed.

#### POST-GRADUATE INSTRUCTION.

Post-graduate training prerequisite to certification in the specialty by the Royal College of Physicians and Surgeons (Canada) or the American Board of Radiology is available in the teaching hospitals to selected graduates of approved Faculties or Schools of Medicine.

*Text and Reference Books:*—Roentgen Interpretation, Holmes and Ruggles; Text Book of Radiology, Shanks, Kerly and Twining; Diagnostic Radiology, Golden (et al); Head and Neck in Roentgen Diagnosis, Pancoast, Pendergrass and Schaeffer; Roentgenology, Kohler; Urological Roentgenology, Wesson and Ruggles; Clinical Roentgenology of the Cardiovascular system, Roessler; The Digestive Tract, Barclay; Theoretical Principles of Roentgen Therapy, Pohle; Clinical Roentgen Therapy, Pohle; Physical Foundations of Radiology, Glasser, Quimby, Taylor and Weatherwax.

#### RESEARCH INSTITUTE OF ENDOCRINOLOGY

<i>Director</i> .....	J. B. COLLIP
<i>Asst. Professor</i> .....	ROBERT L. NOBLE
<i>Lecturers</i> .....	{ A. H. NEUFELD*
	{ C. GWENDOLINE TOBY
<i>Fellow</i> .....	HECTOR MORTIMER

This Institute established in 1941 and housed in the West Wing of the Medical Building is devoted to research in the fundamentals of endocrinology. It is not an undergraduate teaching department, but is closely associated with the Faculty of Graduate Studies and Research and the Faculty of Medicine and affords facilities for properly qualified graduates to work for the Ph.D. degree.

The Institute is under the Direction of Professor J. B. Collip, Gilman Cheney Research Professor of Endocrinology. Dr. Robert L. Noble is the senior assistant in the Physiological branches of the subject and Dr. A. H. Neufeld is the senior assistant in the biochemical branches.

A limited number of graduate students will be accepted. Entrance requirements are either the degree of Doctor of Medicine with high stand-

\*On military service.



ing in the courses for that degree, or the M.Sc. degree in Physiology or Biochemistry or its equivalent in training in these subjects.

The minimum period in which a student with a B.Sc. or an M.D. degree can obtain a Ph.D. degree is three years. A student with an M.Sc. degree or its equivalent may qualify for the Ph.D. degree in a minimum of two years. It is not proposed to do any didactic teaching in the Institute, but candidates for a Ph.D. degree will be required to pass a comprehensive examination in the subject and to submit a thesis.

Inquiries concerning the Institute should be addressed to the Director.

## GRADUATE INSTRUCTION

1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.

2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is \$30.00 a term (10 weeks).

\*3. COURSE FOR DIPLOMA OF PUBLIC HEALTH: This course is specially designed as a thorough training for medical men in public health.

The duration of the course is one academic year.

The curriculum is as follows:—

(a) A course dealing in a comprehensive manner with the general principles of Public Health and Preventive Medicine.

(b) A course covering health organization, legislation and administration.

(c) A course on vital statistics and records, including practical work.

(d) Courses in bacteriology and parasitology, including laboratory work.

(e) Field work: Arrangements made with the Department of Health, Montreal, and the voluntary health agencies of Montreal.

Seminars are held throughout the year. Arrangements are made for special courses in such subjects as tuberculosis, venereal disease, etc., and for special visits.

Examinations are written, oral and practical.

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\*Suspended for the present session.



The inclusive fee for the course is \$155 for British subjects and \$205 for non-British subjects.

\*4. COURSE FOR DIPLOMA IN VETERINARY PUBLIC HEALTH: A course leading to a Diploma in Veterinary Public Health (D.V.P.H.) has been organized under the Department of Public Health and Preventive Medicine, and is open to graduates of recognized schools of veterinary medicine.

The purpose of the course is to prepare veterinarians to render better service in the fields of public health, particularly in the control of food and milk supplies, into which they are now being brought.

The work occupies one academic year, with approximately 36 hours of instruction (lectures and laboratory work) per week.

The curriculum includes Public Health, Physiology, Dairy Bacteriology, Nutrition, Milk and Meat Hygiene, Epizootology and Public Health Parasitology.

The tuition fee for the course is \$150.

#### COURSE FOR DIPLOMA IN TROPICAL MEDICINE

This course was offered for the first time during the session 1944-45. Its object is to train medical graduates to deal with medical problems peculiar to tropical areas. In this connection, it has been approved by Faculty as satisfying the requirements of a fifth year of professional training, which is required of McGill graduates before a certificate is issued stating that his medical education is complete, and that he is eligible to sit the examinations of a licensing board. It is also suggested as a refresher course for medical graduates who have been working in the tropics, and wish to take advanced work in Parasitology and other branches related to tropical hygiene.

The Diploma will be granted to graduates of any recognized medical school after completion of three of the following units, of which (a) is compulsory:

- (a) Parasitology and Tropical Medicine (3 months).
- (b) Ambulatory patients (3 months).
- (c) Three months at an approved hospital in the tropics.
- (d) Public Health and Tropical Hygiene (3 months).

#### CURRICULUM

- (a) TROPICAL MEDICINE AND PARASITOLOGY.

DEAN D. L. THOMSON, PROFESSORS F. SMITH, T. W. M. CAMERON  
AND R. P. VIVIAN.

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\*Suspended for the present session.



This basic course covers Bacteriology, Parasitology and Medical Entomology as applied to Tropical Medicine and includes an introduction to Nutrition and Hygiene as applied to the tropics, as well as a systematic review of the symptomatology, therapeutics, epidemiology and control of all the important Tropical Diseases. The course lasts twelve weeks (September to November) of which the first two are held in Montreal and the remainder at the Institute of Parasitology at Macdonald College. The class meets daily (Monday to Friday) from nine a.m. to five p.m., and includes, in addition to the systematic lectures, demonstrations in public health matters of importance to the tropics, including port hygiene, rat control, disinfestation methods, as well as visits to various institutions. Special prominence is given to laboratory work, and each student studies not only the aetiology and pathology of all important tropical diseases, but practical means of diagnosis.

#### THE DISEASES CONSIDERED INCLUDE:

Malarias (including Blackwater fever), Trypanosomiasis, Leishmaniasis and Amœbiasis. Relapsing fever and other Spirochætal diseases. Rickettsial diseases. Bacillary dysenteries, enteric fevers, and Cholera, Plague, Leprosy, and Undulant fever. Anthrax and other diseases of animals in the tropics transmissible to man. Yellow fever, Dengue fever, and Phlebotomus fever. Schistosomiasis, Filariasis and disease caused by other helminths including Ascariasis, Hookworm disease, Trichinosis, Guinea-worm disease, Tapeworm disease and Hydatid, Intestinal, Liver and Lung Flukes. Sprue, Beriberi, Pellagra, Scurvy and Nutritional diseases in the tropics. Heat diseases and tropical skin diseases.

The laboratory course consists in a practical study of the causes and pathology of these diseases together with their vectors and control. (Mosquitoes, Midges, Lice, Flies, Fleas, Bugs, Ticks and Mites). Special attention is paid to diagnostic methods, including examination of the blood, sputum, fæces and urine. Microscopes will be provided.

#### (b) COURSE IN CARE OF AMBULATORY PATIENTS.

The series of courses in this unit are arranged to give supervised experience in the important diseases common to tropical and temperate climates. Emphasis is placed upon the actual handling of clinical cases. These will be, for the most part, ambulatory patients, attending Hospital and Child Welfare Clinics. Disease will be considered in its various aspects as a community problem. The following courses have been arranged:

- (a) *Syphilology*: 12 lectures, and three practical periods weekly for three months in the Out-patient Department. Dr. L. P. Ereaux and one period weekly on Public Health aspects.



- (b) *Dermatology*: 12 lectures and two practical periods weekly for three months in the Out-patient Department. Dr. Ereaux.
  - (c) *Tuberculosis*: Practical work three mornings weekly at the Royal Edward Laurentian Hospital, and weekly seminars. Dr. H. E. Burke and staff.
  - (d) *Child Welfare Clinics*: Three afternoons a week at the Chandler Health Centre. Dr. L. M. Lindsay.
  - (e) Additional work in *Pædiatrics*, Dr. A. Goldbloom; and in *Hæmatology*, Dr. Joseph Kaufmann.
- (c) CLINICAL INSTRUCTION IN THE TROPICS.

This will consist of a minimum of three months clinical instruction at a hospital in the tropics approved by Faculty. Faculty shall have power to exempt from this course, candidates who have been engaged for at least twelve months in the Treatment of Tropical Diseases in any tropical or sub-tropical country.

\*(d) PUBLIC HEALTH AND TROPICAL HYGIENE.

This course deals with the general principles of Public Health and Preventive Medicine (including vital statistics and records). Special attention will be paid to Tropical life and problems arising from Tropical climates, including water, food, housing and cooling of buildings, disposal of waste, care of the sick, control of nomads and native labour. Suitable demonstrations and visits will be arranged.

## THE MEDICAL BUILDING

This Building, erected in 1911, at a cost of over \$600,000, contains the Offices of Administration, the Medical Library (with its 65,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Health and Social Medicine, the Research Institute of Endocrinology and the Museums of Anatomy, Pathology and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The Laboratories for Histology and Embryology have excellent facilities with space for 120 students, and smaller rooms for research.

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\*Suspended for the present session.



## THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over \$500,000, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the Laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anæsthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

## THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and includes a Pathological Museum and museum workshops. It combines under one roof quarters for teaching and research in these departments, both for the University and for the Royal Victoria Hospital. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.

## THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neuro-surgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, laboratories, etc., the building provides complete residential accommodation for six research fellows.

## THE ALLAN MEMORIAL INSTITUTE

In 1943 a large building and site were donated as a basis for the development of an Institute of Psychiatry. The building has been reconstructed to permit of the establishment of a fifty bed unit, together with



extensive research laboratories, and was officially opened July 12th, 1944. Plans have been drawn up for the carrying out of undergraduate and postgraduate teaching in the Faculty of Medicine.

## HOSPITALS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

Royal Victoria Hospital.  
Montreal General Hospital.  
Children's Memorial Hospital.  
Alexandra Hospital for Infectious Diseases.  
Verdun Protestant Hospital.  
Royal Edward Laurentian Hospital.  
The Royal Victoria Montreal Maternity Hospital.

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 3,000 beds.

THE ROYAL VICTORIA HOSPITAL, in juxtaposition to the University buildings, is a general hospital for acute diseases and contains 693 beds and 96 cribs. In a typical year, it cared for 16,637 cases, while in its out-door department 68,994 cases were treated. Many new additions have been made in the Hospital. A modern University Medical Clinic was established in 1924.

There were 66.2% post-mortems.

The number of resident physicians is 70.

THE ROYAL VICTORIA-MONTREAL MATERNITY PAVILION, with 214 beds for obstetrical and gynæcological cases, was opened in June, 1926. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. In a typical year, the obstetrical service cared for 2,252 confinements in



the Hospital and 210 in the Out-patient Service. In the gynæcological section, 1,803 cases were admitted during the year.

There are ten resident physicians.

THE MONTREAL GENERAL HOSPITAL, CENTRAL AND WESTERN DIVISIONS, is a general hospital for the treatment of acute diseases and contains 600 beds. In a recent year there were 12,200 admissions. The number of patients' visits to the Out-patient Department of both Divisions totals 174,977. Many modern additions to the original buildings have been made permitting increased bed capacity. There is a large biochemical laboratory fully equipped for the complete investigation of the metabolic aspects of disease and in conjunction with this department there is an out-patient clinic, one of the largest on the continent, for the treatment of diabetes mellitus. There were 573 autopsies performed which represents 85% of all autopsies obtainable, i.e., other than coroner's cases, etc. Post Mortem and surgical material at both Divisions is now used for teaching, and clinical teaching is carried out in the public wards at both Divisions. The number of resident physicians is 52. The Dental Clinic of the University completed in 1921 is located at the Central Division and has 50 dental chairs with a large and varied clientele. The number of visits to the Dental Clinic for a recent year was 19,065.

THE CHILDREN'S MEMORIAL HOSPITAL has 267 public beds, and, in a typical year, admitted 3,807 patients. The attendance at its out-door department totalled over 32,459 visits. This hospital admits all classes of cases of disease in children, and enables the students to get a broad concept of pædiatrics. Of special interest are the newly-built wards with cubicles, the Department of Remedial Gymnastics, the Open-air Pavilions, and the well-equipped out-patient service.

There were 97 autopsies per year, which represents 88.3% of all deaths.

The number of resident physicians is 12.

THE ALEXANDRA HOSPITAL FOR INFECTIOUS DISEASES, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 172 beds, and, in a typical year, 2,008 patients were admitted to the hospital. There were 14 autopsies.

The number of resident physicians is 3.

THE VERDUN PROTESTANT HOSPITAL has 1,100 beds.

THE ROYAL EDWARD LAURENTIAN HOSPITAL, in its new building, 3674 St. Urbain St., has space for 70 beds, with operating room, X-Ray



equipment and modern facilities for the examination of patients; it is essentially a dispensary for tuberculosis and offers adequate material for teaching students the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

### LIBRARY

*Honorary Librarian* . . . . . R. L. STEHLE

The Library occupies the central front section of the medical building. It contains more than 65,000 bound volumes and an extensive collection of pamphlets, theses, government publications and other items.

On the third floor are the pleasant, well-lighted reading room capable of accommodating seventy-five readers, and the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library—ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes, some dating back to the sixteenth century. Among the books and journals the ophthalmological section, due in large measure to many gifts from the late Dr. Casey A. Wood, is excellent.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7.30 to 10.00 p.m., except Saturdays, when it is closed at 5 p.m. After June 15th it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

### THE OSLER LIBRARY

*Librarian* . . . . . W. W. FRANCIS

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly



9,500 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death ("Bibliotheca Osleriana," Clarendon Press, Oxford, 1929, xxxvi, 785 pp.)

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 137 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

## MEDICAL SOCIETIES

### 1. THE MCGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

- (1) To transact all matters of business connected with the undergraduate body.
- (2) To stimulate interest along medical lines.
- (3) To assist students to express themselves in public with facility.
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.



A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.

## 2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Third and Fourth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

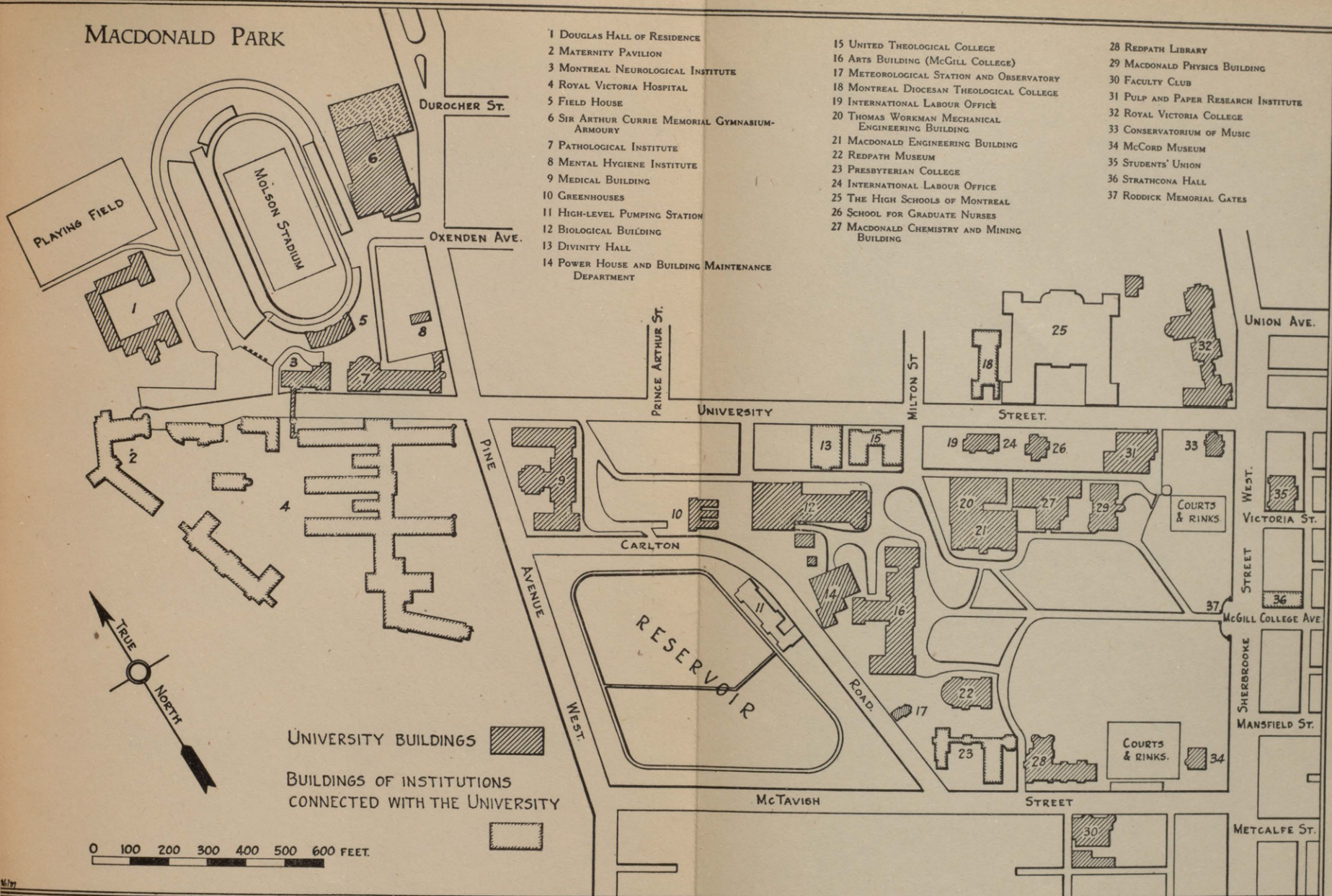
## 3. THE OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.



# MACDONALD PARK



McGILL UNIVERSITY—PLAN OF GROUNDS







McGILL UNIVERSITY  
MONTREAL



FACULTY OF MEDICINE

1945-1946



MCNELL UNIVERSITY  
MONTREAL



FACULTY OF MEDICINE

1915-1916



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# McGILL UNIVERSITY

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## FACULTY OF MEDICINE

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### ADMINISTRATIVE OFFICERS

<i>Principal</i> .....	F. CYRIL JAMES, Ph.D., D.C.L.
<i>Dean of the Faculty</i> .....	J. C. MEAKINS, C.B.E., M.D., F.R.C.S., F.R.C.P., F.R.S.C.
<i>Secretary of the Faculty</i> .....	J. F. McINTOSH, B.A., M.D., C.M.
<i>Bursar</i> .....	W. BENTLY, C.G.A., A.C.I.S.
<i>Registrar</i> .....	T. H. MATTHEWS, M.A.
<i>University Librarian</i> .....	GERHARD R. LOMER, M.A., Ph.D., F.L.A.
<i>Honorary Medical Librarian</i> .....	R. L. STEHLE, M.A., Ph.D.
<i>Osler Librarian and Director of the Museum of the History of Medicine</i>	W. W. FRANCIS, A.B., M.D.
<i>Assistant Secretary of the Faculty</i> .....	MISS G. D. MUDGE.

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A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate announcement, which may be obtained from the Registrar's Office. The announcement also contains the names of members of the staff on active service.







## FACULTY OF MEDICINE

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The one hundred and thirteenth session of the Faculty will open on September 5th, 1945, for students of the 1st year.

### REQUIREMENTS FOR ENTRANCE

The minimum requirement for admission to the medical course is the satisfactory completion of three full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof), including courses in the following subjects: Physics, one year with laboratory work; Biology, one year of General Biology or Zoology with laboratory work; half year of Botany and half year of Zoology will be accepted, but not one year of Botany alone; Chemistry, two full courses, including one full course of Organic Chemistry with laboratory work. Candidates for admission shall furnish evidence that they have satisfied the matriculation requirements of the Licensing Body where they wish to practise.

### EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

The equivalent courses of study in schools accepted by this University shall be determined from time to time. Acceptance of a course of study as equivalent may not include the examination in that subject held by the accepted school, but the student may be required to pass such examinations, individual or comprehensive, as may be required by the Faculty.

### APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than March 1st.



A fee of \$25.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Dean or Secretary of the Faculty, when possible, is advisable.

### REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office on Tuesday, September 4th, 1945. Those who register after this date will be required to pay a late registration fee of \$5.00 if they register during the first week of the session and \$10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.



## FEES

## UNIVERSITY FEES

## 1. REGULAR STUDENTS.

Annual fee for British students .....	\$375.00
By instalments: each of two instalments .....	190.00
Annual fee for Non-British students .....	475.00
By instalments: each of two instalments .....	240.00

## 2. REPEATING A YEAR.

British students repeating a year pay .....	375.00
Non-British students repeating a year pay .....	475.00

## 3. PARTIAL STUDENTS.

Qualified students may be admitted as partials to one or more courses on payment of special fees.

## 4. AD EUNDEM FEE.

Students entering any year above the first pay a special *ad eundem* fee of .....

	\$10.00
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## 5. DIPLOMA OF PUBLIC HEALTH FEES.

The fee for the graduate course in Public Health, including laboratory and outdoor work, as well as student Health Service fee, is \$155.00 for British and \$205.00 for non-British students.

## 6. CAUTION MONEY.

Payable by every student, and returned, less deductions for damage, loss, etc., at the end of the session .....

	\$10.00
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## STUDENT FEES

## FEES FOR THE SUPPORT OF STUDENT ORGANIZATIONS.

Regular students (men) .....	\$12.00
Regular students (women) .....	10.00
Partial students .....	5.00

## DATES OF PAYMENT

Fees are due and payable at the Bursar's Office between the hours of 9 a.m. and 4 p.m. on the following dates:—

Tuesday, September 4th, to Thursday, September 6th, inclusive, or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on February 1st. An additional \$2.00 is charged for payment after the specified dates.



Students registering late pay their fees at the time of registration failing which they become subject to the provisions of the above paragraph.

Fees for students in the Fourth Year of the accelerated course are payable at the Bursar's Office on Tuesday, September 4th, to Thursday, September 6th, inclusive. If desired, these fees may be paid in two instalments, due in September and February upon payment of the instalment fee of \$5.00. If additional instalments are desired special arrangements should be made with the Chief Accountant. Students eligible to receive their diplomas at the Fall Convocation in October must pay all fees before that date, as otherwise the diploma will be withheld. Immediately after the prescribed dates for the payment of fees the Bursar will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Bursar.

All fees of Canadian and British Empire students are payable in Canadian Currency. Fees of students from the United States are payable in U.S. dollars, upon which the current premium of 10% will be allowable.

Domicile will in general determine whether a student pays the British or Non-British fees. A student who is uncertain which rate he will be required to pay should consult the Registrar.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

#### MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine. Suitable microscopes may be secured through the University, either by outright purchase or on an annual rental basis. If the student desires at a later date to purchase the instrument which he has been using, the rental fees are credited to his account.

#### BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement (page 84 to 89).

#### HEALTH SERVICE

For details of the Health Service and Medical Examinations see the General Information Pamphlet included in this Announcement (page 82).



## COURSES FOR THE DEGREE OF M.D., C.M.

The minimum period of professional training required by the University as a qualification for the independent practice of Medicine shall be five years, including

- a. four years of medical study in the University leading to the degree of M.D., C.M.; and
- b. one year of internship in an approved hospital.

## OR

one year of further medical study in the Faculty of Medicine of McGill University or at another medical school approved by it.

While the Faculty Administration exercises a general supervision of arrangements for internships, the Faculty of Medicine assumes no responsibility to provide an internship for any student.

A certificate that his medical education is completed and that he is eligible to sit for the examination of a licensing board shall not be issued to any graduate until the University is in possession of satisfactory evidence that he has completed the full requirements.

There are three sessions of thirty-six weeks each and one session (final session) of thirty-two weeks, all exclusive of examination periods. The sessions usually begin the first Tuesday after the first Monday in September (Labour Day) and continue until the first week of June in the first three years and to the first week in May in the final year.

The academic session is divided into four terms in the first and fourth session and into three terms in the second and third sessions. The minimal period of study for the degree of M.D., C.M., is, therefore, four sessions of study comprising one hundred and forty weeks exclusive of examination periods.

## DECELERATION OF THE MEDICAL COURSE.

The introduction of summer terms to accelerate the graduation of medical students was introduced as a "war measure" in 1942. Classes admitted in September, 1943 and subsequently, have returned to the pre-war schedule outlined in a previous paragraph.

The arrangement of the principal subjects of instruction is usually as follows:

## FIRST SESSION:

Anatomy (including Histology and Embryology), Physiology, Biochemistry, Psychobiology and Medical Sociology, Introduction to Medicine.



## SECOND SESSION:

Pharmacology, General Pathology, Bacteriology and Immunology, Parasitology, Laboratory Diagnosis, Medicine, Surgery, Obstetrics, Health and Social Medicine, Psychiatry.

## THIRD SESSION:

Special Pathology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynæcology, Pædiatrics, Psychiatry, Therapeutics, Ophthalmology, Oto-laryngology, Medical Jurisprudence, Radiology.

## FOURTH SESSION:

Medicine, \* Surgery, \* Obstetrics and Gynæcology, Psychiatry, Pædiatrics, Ophthalmology, Otolaryngology, Radiology.

\*In these subjects are included the following:—

*Medicine*—Dermatology, Neurology, Clinical Therapeutics.

*Surgery*—Orthopædics, Urological Surgery, Neurosurgery, Anæsthesia.

## EXAMINATIONS

The examinations taken within the Medical Faculty are divided into two groups, namely, major examinations and minor examinations. Major examinations are the final examinations in Anatomy (Embryology), Histology, Physiology, Biochemistry, Pharmacology, Bacteriology and Immunology, Pathology, Health and Social Medicine, Pædiatrics, Medicine, Surgery, Obstetrics, and Gynæcology, Psychiatry.

Minor examinations include the final examinations in Parasitology, Medical Jurisprudence, Ophthalmology, Otolaryngology, Radiology and examinations preliminary to the final major examinations.

A student who fails in any major examination will be required before he sits a supplemental examination to present to the Dean's office from the senior professor of the Department concerned a certificate that the student has taken sufficient extra tuition as would indicate that he has reviewed the subject and is a suitable candidate for the supplemental examination.

There is a strict difference between the importance of a major and a minor examination. If a student fails in the supplemental of a major examination, there are definite restrictions as hereinafter set forth, while failure in the supplemental of a minor examination permits the student to carry conditions as are hereinafter laid down.

A student who fails in the supplemental of one (or two) minor examination may proceed with other subjects in the following year, carrying such subject as a condition, but may not sit any subsequent major ex-



aminations until such conditions have been removed, nor may more than two conditions be carried at one time.

All conditions must be removed by the end of the first term (November) in each session when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year and to repeat the courses of the Winter and Spring terms.

A student who fails in the supplementals of three or more minor examinations in any one session must repeat this session or may be asked to retire, as may be decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A failure in the supplemental of a major examination will require the student to repeat the course (repeat the year), and no student may repeat such a course more than once. Any student who fails in the supplementals of two major examinations in any one year shall be required to retire without the privilege of further supplementals.

A student is not allowed supplementals in three major examinations in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student is not allowed supplementals in two major and one minor examination in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A student in the final year may take a supplemental examination in one subject only at the end of the following September, but must present a certificate from the senior professor of the Department concerned that he has taken at least three months' extra tuition in this subject in one of the teaching hospitals of McGill Faculty of Medicine. If he should fail in this supplemental examination, he must repeat the year of study and pass all the major examinations at the completion of the session.

A student in the final year who fails in two subjects will not be permitted supplementals but must repeat the year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student will not be allowed to repeat a year more than once nor may he repeat a subsequent year if such repetition has been due to failure in examinations, except on special recommendation of the Promotion Committee, acting upon the motion of the representatives on the committee of the department concerned.



A student who has been permitted to repeat his year shall be required to make a C+ grade, which for this purpose is considered to be 65%, or he will not be permitted to continue his course.

A schedule of the times of major and minor examinations shall be published as a supplement to these ordinances at the beginning of each academic session.

Examinations, tests, reviews, etc., may be held during the session by any department in its time of instruction, provided that no more than twenty-four (24) hours' notice is given. It is understood that such examinations, tests or reviews are conducted for the benefit of the student in order that he may have experience in the requirements of the sessional examinations, and further, that he and his teachers may know how he is progressing in his studies.

There shall be two Promotion Committees. The First Committee shall consist of representatives of the subjects of Anatomy, Biochemistry, Histology, Physiology, Pharmacology, Bacteriology, Parasitology, Pathology, and Endocrinology, appointed by the Dean, and the Dean and Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the first and second years. The second Committee shall consist of representatives of the Departments of Pathology, Bacteriology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynaecology and Pædiatrics, appointed by the Dean, and the Dean and Secretary ex officio. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the third and fourth years.

All results of examinations will be given out by the Dean's office, after they have been passed upon by the Promotion Committee. It is an absolute rule that no examination results shall be communicated by any other channel.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.

### C. GRADING

At the conclusion of each course, students are graded in five groups, as follows:—

- A=Excellent
- B=Good
- C=Fair
- D=Doubtful
- E=Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.



The grade assigned to a student is based upon the results of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

#### FELLOWSHIPS, SCHOLARSHIPS, BURSARIES, MEDALS, PRIZES, AND LOAN FUNDS

Details of fellowships, scholarships, bursaries, medals, and prizes open to undergraduate and graduate students in Medicine, and of the University Loan Fund may be found in the Scholarships Announcement.

#### REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.

2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University. (See page 491).

3. No one is permitted to become a candidate for the degree who has not attended at least one full session at this University.

4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.

5. He must have attended during at least three sessions of nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.

6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.

7. Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

#### REQUIREMENTS FOR LICENCE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right



of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before *beginning* the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained. This has been changed to four years as a war-time measure.

N.B.—In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC—Dr. J. Paquin, 1896 Dorchester St. West, Montreal.

ONTARIO—Dr. Robert T. Noble, 566 University Ave. Toronto, Ont.

NEW BRUNSWICK—Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

NOVA SCOTIA—Dr. H. L. Scammell, 196 Atlantic St., Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. I. J. Yeo, Charlottetown, P.E.I.

MANITOBA—Dr. W. G. Campbell, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. George R. Johnson, 336 8th Ave. W., Calgary, Alta.

SASKATCHEWAN—Dr. A. W. Argue, 307 Birks Bldg., Saskatoon, Sask.

BRITISH COLUMBIA—Dr. A. J. MacLachlan, 203 Medical-Dental Building, Vancouver, B.C.

The Registrar for Newfoundland is Dr. C. Macpherson, P.O. Box 5121, St. John's, Nfld.

#### DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.



## GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION OF GREAT BRITAIN

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

## COURSES OF INSTRUCTION

### ANATOMY

*Robert Reford Professor and*

*Chairman of the Department* . . . C. P. MARTIN

*Associate Professor of Histology* . . H. SELYE

*Assistant Professors of Anatomy* { D. S. FORSTER  
S. M. FRIEDMAN

*Assistant Professor of Histology* . . C. P. LEBLOND\*

*Lecturer in Anatomy* . . . . . E. W. WORKMAN

*Sessional Lecturer in Anatomy* . . R. M. H. POWER

*Sessional Lecturers in Histology* { ELEANOR BELAND  
OCTAVIA HALL

*Demonstrators in Anatomy* . . . { G. E. PERRIGARD  
CAMPBELL GARDNER  
CONSTANCE FRIEDMAN  
ERIC HALL

*Demonstrators in Histology* . . . { GEORGES MASSON  
KEITH YONGE

*Research Associate* . . . . . F. C. FRASER

*Research Associate* . . . . . ELEANOR C. HAY

*Research Fellows* . . . . . { HANS F. JENSEN  
G. M. C. MASSON

### REQUIRED COURSES

#### 1 GROSS ANATOMY.

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms of the First Medical Year.

\*On military service.



## 2. APPLIED ANATOMY.

One hour per week lecture and demonstration during the Winter and Spring terms of the Third Medical Year. This course is conducted mainly by clinicians from the Royal Victoria and Montreal General Hospitals.

(Suspended for duration of the war.)

*Text-books*:—Gray's "Anatomy" (English Edition) or Cunningham's "Text-Book of Anatomy."

*Practical Manuals*:—Cunningham's "Manual of Practical Anatomy;" Johnston's "Synopsis of Regional Anatomy."

*Optional Texts*:—Quain, Piersal, Spalteholz Atlas, Fraser's "Anatomy of the Human Skeleton," Buchanan, Fraser and Robbins, Larsell, Ramson.

## ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

## 3. ADVANCED NEURO-ANATOMY.

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton, assisted by Dr. Kershman. The class is limited to ten. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

## 4. PHYSICAL ANTHROPOLOGY.

Lectures and practical courses will be arranged for students when required.

## MICROSCOPIC ANATOMY

## REQUIRED COURSE

## 5. HISTOLOGY.

The study of the histological structure of the body. Two hours lectures and six hours laboratory work per week during the first 28 weeks of the First Medical Year.

*Text-book*:—Bailey, "Text-Book of Histology."

*Optional Texts*:—Cowdry, Lewis, and Bremer, Jordan, Maximow and Bloom (Schafer).

## ELECTIVE COURSE

## 6. EXPERIMENTAL MORPHOLOGY.

Bi-weekly seminar. In this course current problems and discoveries in Experimental Morphology are discussed by members of the staff and graduate students.



EMBRYOLOGY

REQUIRED COURSE

7. THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY.

One hour per week lecture and three hours per week laboratory work during second half of the First Medical Year.

*Text-book*:—Arey, "Developmental Anatomy."

*Optional Texts*:—Jordan, Simkins, Bailey and Millar, Keith, Fraser.

PHYSIOLOGY

*Joseph Morley Drake Professor and*

*Chairman of the Department*..... H. E. HOFF

*Research Professor*..... B. P. BABKIN (Post Retirement).

*Associate Professor*..... N. GIBLIN

*Assistant Professor*..... S. DWORKIN

*Lecturers*..... { RONALD GRANT  
KATHLEEN TERROUX

*Demonstrators*..... { RHODA GRANT  
ARMINE ALLEY

REQUIRED COURSES

1. FIRST YEAR LECTURES.

Tuesday, Thursday, Saturday, at 9 a.m. (beginning in October).

1P. FIRST YEAR LABORATORY.

Three hours a week during last 32 weeks.

2. SECOND YEAR LECTURES.

Monday, Wednesday, Friday, at 9 a.m., Autumn and Winter Terms.

2P. SECOND YEAR LABORATORY.

Six hours a week and laboratory demonstration. Autumn Term.

*Text-books*:—

Systematic Physiology—Human.

Howell, Textbook of Physiology; Starling (and Evans), Human Physiology; MacLeod (and Bard), Physiology in Modern Medicine.

Clinical Physiology.

Samson Wright, Applied Physiology; Wiggers, Physiology in Health and Disease: Best and Taylor, Physiological Basis of Medical Practice.

OTHER COURSES

(Available only for students who have obtained Honours in the Required Courses, and by application to the Chairman of the Department.)

3. ADVANCED LECTURES.

3P. ADVANCED LABORATORY



## BIOCHEMISTRY

<i>Professor and Chairman of the Department</i> . . . . .	D. L. THOMSON
<i>Associate Professor</i> . . . . .	R. D. H. HEARD
<i>Assistant Professor</i> . . . . .	O. F. DENSTEDT
<i>Sessional Lecturer</i> . . . . .	H. SOBEL
<i>Research Associate</i> . . . . .	DOROTHY OSBORNE

## COURSES OFFERED IN BIOCHEMISTRY

## FIRST YEAR.

*Biochemistry 1.* Mon., Wed., Fri., at 9 a.m. (beginning in October).

*1L. Laboratory:* Three hours a week during last 32 weeks.

Dr. Thomson.

*Text-books:*—Bodansky, "Introduction to Physiological Chemistry" (Wiley); Cameron, "Text-book of Biochemistry" (Macmillan); Williams, "Text-book of Biochemistry" (van Nostrand); Schmidt and Allen, "Fundamentals of Biochemistry" (McGraw-Hill).

## SECOND YEAR.

*Nutrition*, 10 lectures, in the first term of the second year.

Dr. Thomson.

*Biochemistry 2, Endocrinology.* 25 lectures, from October to April in the second year.

Dr. Heard.

Other courses offered by the Department are listed in the Announcements of the Faculties of Arts and Science, and of Graduate Studies and Research.



## PATHOLOGY

*Strathcona Professor and Chairman*

<i>of the Department</i> . . . . .	G. LYMAN DUFF
<i>Associate Professor</i> . . . . .	THEO. R. WAUGH
<i>Assistant Professors</i> . . . . .	{ JOHN D. HAMILTON J. E. PRITCHARD R. H. MORE
<i>Lecturers</i> . . . . .	{ W. H. MATHEWS F. W. WIGLESWORTH
<i>Demonstrator</i> . . . . .	C. R. McLEAN
<i>Sessional Demonstrators</i> . . . . .	{ ELEANOR MACKENZIE M. A. SIMON G. C. McMILLAN
<i>Fellows</i> . . . . .	{ JOHN D. PALMER D. C. WILSON

## REQUIRED COURSES

1. COURSE IN GENERAL PATHOLOGY (Second Year).
  - A. Two lectures per week (with epidiascopic and microscopic demonstrations) during the Winter and Spring terms (52 lectures).  
Professor Duff.
  - B. Two practical laboratory classes per week during the Spring Term (80 hours practical work).  
Professor Duff, Professor Hamilton and Demonstrators.
2. COURSE IN SPECIAL PATHOLOGY (Third Year).
  - A. Two lectures per week during the Autumn, Winter and Spring Terms (72 lectures).  
Professor Duff, Professor Waugh, Professor Hamilton and Lecturers.
  - B. Two practical laboratory classes per week during the Winter and Spring Terms (96 hours practical work).  
Professor Duff and Staff.
  - C. One demonstration of gross pathological material per week to students in small groups of 15 each, during Autumn, Winter and Spring Terms (36 hours).  
Professor Hamilton, Dr. More and Dr. Simon.
3. COURSE IN APPLIED PATHOLOGY (Third and Fourth Years.)
  - A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter and Spring Terms (36 hours) . . . . . Professor Duff.



- B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter and Spring Terms. Time according to material.  
 Pathological Institute.....Professor Duff and Dr. More.  
 Montreal General Hospital....Dr. Pritchard and Dr. Mathews.  
 Children's Memorial Hospital. Dr. Witlesworth and Dr. Eleanor MacKenzie.

*Text-books*.—MacCallum, A Text-Book of Pathology (Saunders); Karsner, Human Pathology (Lippincott); Boyd, Text-Book of Pathology (Lea & Febiger); Muir, Text-Book of Pathology (Arnold); Moore, Text-Book of Pathology (Saunders);

#### REFERENCE BOOKS.

*General*.—Bell, Text-Book of Pathology (Macmillan); Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Forbus, Reaction to Injury (Williams & Wilkins); Reimann, Kaufmann's Pathology (Blakiston); Smith & Gault, Essentials of Pathology (Appleton Century); Ewing, Neoplastic Diseases (Saunders); Willis, The Spread of Tumours in the Human Body (Churchill);

*Special*.—Naegeli, Blutkrankheiten und Blutdiagnostik, (Julius Springer); Whitby & Britton, Disorders of the Blood (Churchill);

Biggart, Pathology of the Nervous System (Livingstone);

Buzzard and Greenfield, Pathology of the Nervous System (Churchill); Freeman, Neuropathology (Saunders);

Novak, Gynæcological & Obstetrical Pathology (Saunders);

Geschikter & Copeland, Tumours of Bone (American Journal of Cancer);

Farber, The Post Mortem Examination (Charles Thomas); Mallory, Pathological Technique (Saunders); Saphir, Autopsy Diagnosis and Technique (Hoeber);

#### BACTERIOLOGY AND IMMUNITY

*Professor and Chairman*.....E. G. D. MURRAY

*Associate Professor and Acting*

*Chairman*.....FREDERICK SMITH

*Assistant Professors*.....  
   { T. E. ROY\*  
   { C. D. KELLY  
   { D. S. FLEMING

*Demonstrator*.....G. G. KALZ

*Research Associate*.....CATHERINE MACPHERSON

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\*On military service.



## REQUIRED COURSES

All lectures and laboratory courses are given in the Department of Bacteriology (Pathological Institute).

## COURSE 1. ELEMENTARY MEDICAL BACTERIOLOGY AND IMMUNITY.

Three lectures and 6 hours laboratory work a week. First term II.

## COURSE 1. S. ELEMENTARY GENERAL BACTERIOLOGY FOR ARTS AND SCIENCE STUDENTS. III.

## COURSE 2. APPLIED MEDICAL BACTERIOLOGY AND IMMUNITY AND THE PROCESSES OF INFECTIOUS DISEASES. Second term II.

Two lectures and demonstrations a week. Second term...

## COURSE 3. BACTERIOLOGY AND IMMUNITY FOR HONOURS B.Sc.

Six lectures and 12 hours laboratory work a week throughout the year. IX.

(Full details of the courses can be obtained by application to the Registrar).

*Text-books:*—Hans Zinsser and G. Bayne-Jones, *Textbook of Bacteriology* (Appleton); R. Muir and J. Ritchie, *Manual of Bacteriology* (Oxford University Press); R. T. Hewlett and James McIntosh, *Manual of Bacteriology* (Churchill); T. J. Mackie and J. E. McCartney, *Practical Bacteriology* (Livingstone); J. W. Bigger, *Handbook of Bacteriology* (Bailliere Tindall & Cox); Hans Zinsser, *Resistance to Infectious Diseases* (Macmillan); W. W. C. Topley and G. S. Wilson, *The Principles of Bacteriology and Immunity* (Edward Arnold & Co.); W. W. C. Topley, *An Outline of Immunity* (Arnold); M. Langeron, *Precis de Microscopie* (Masson & Cie); D. H. Bergey, *Manual of Determinative Bacteriology* (Williams & Wilkins); E. O. Jordan and W. Burrows, *Text-Book of Bacteriology* (Saunders); Frederick P. Gay, *Agents of Disease and Host Resistance* (C. C. Thomas); N. P. Sherwood, "Immunology" (Mosby Co.); H. Zinsser, J. F. Enders, L. D. Fothergill, "Immunity Principles and Application in Medicine and Public Health" (Macmillan Co.); R. W. Fairbrother, *A Text-book of Medical Bacteriology* (W. Heineman, Ltd.).

## PARASITOLOGY

<i>Professor and Chairman of the</i>	
<i>Department</i> .....	T. W. M. CAMERON
<i>Lecturer</i> .....	IVAN W. PARNELL
<i>Sessional Lecturer</i> .....	D. C. BEWS*

\*On military service.



## REQUIRED COURSES

## SECOND YEAR.

2A. HUMAN PARASITOLOGY.—This course on the animal parasites of man (protozoa, helminths and arthropods) comprises about 45 hours of instruction. Special attention is given to parasites found in North America, their diagnosis, bionomics and pathogenesis as well as to the more important animal vectors of disease. Exotic forms are more briefly discussed. In the practical class, each student examines all the important species as well as the lesions caused by them.

First term—Two lectures and one laboratory period per week.

ELECTIVE COURSES.—The Department not only provides facilities for advanced research work at the Institute of Parasitology, but offers didactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research).

*Text-book:*—Cameron, T. W. M., "The Parasites of Man in Temperate Climates."

## HEALTH AND SOCIAL MEDICINE†

<i>Strathcona Professor and Chairman of</i>	
<i>Department</i> .....	R. P. VIVIAN
<i>Assistant Professor and Senior Health</i>	
<i>Officer</i> .....	C. W. MACMILLAN
<i>Assistant Professor</i> .....	FRANK G. PEDLEY**
<i>Lecturer</i> .....	R. VANCE WARD

This Department, which replaces the Department of Public Health and Preventive Medicine, is in process of organization. For this reason, no details are here given with regard to the scope of its activities. Instruction will be given in all years.

## PHARMACOLOGY AND THERAPEUTICS

<i>Professor and Chairman of the</i>	
<i>Department</i> .....	R. L. STEHLE
<i>Associate Professor of</i>	
<i>Therapeutics</i> .....	D. S. LEWIS
<i>Associate Professor of</i>	
<i>Pharmacology</i> .....	K. I. MELVILLE
<i>Lecturer in Therapeutics</i> .....	W. DE M. SCRIVER
<i>Lecturer in Anaesthesia</i> .....	WESLEY BOURNE
<i>Lecturer in Pharmacology</i> .....	A. M. FRASER*

†Replacing the Department of Public Health and Preventive Medicine.

\*\*On leave of absence.

\*On military service.



## PHARMACOLOGY

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

### REQUIRED COURSES

- 1A. PHARMACOLOGY. The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Three lectures a week during the Winter Term supplemented by one conference and one demonstration a week. Second Year.

The conference groups are limited to four students each.

Professors Stehle and Melville.

- 1B. PHARMACOLOGICAL LABORATORY. The experiments are chosen to illustrate the lecture course.

Two periods (six hours) a week during the Winter Term. Second Year.

Professors Stehle and Melville.

## THERAPEUTICS

The teaching of therapeutics will be closely linked with that of medicine.

### REQUIRED COURSES

2. PHARMACY AND PRESCRIPTION WRITING. Five lectures and five laboratory periods.  
Dr. Scriver.
- 3A. THERAPEUTICS: Didactic Instruction. A series of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

- 3B. THERAPEUTICS: Theatre Lectures. Fifteen clinical lectures to be given in the hospitals during the year in conjunction with the teaching of the Department of Medicine.  
Dr. Lewis and Associates.

*Text-books in Pharmacology.* Cushny, Sollmann, Clark. *Text books in Therapeutics,* Beckman, Lyon, Reiman, Goodman and Gilman.

### OPTIONS

Suitably prepared students may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.



## MEDICINE

<i>Professor and Chairman of the Department</i> .....	JONATHAN C. MEAKINS
<i>Professor</i> .....	L. C. MONTGOMERY
<i>Associate Professors</i> .....	{ G. R. BROW, J. S. L. BROWNE, E. H. MASON, E. S. MILLS, I. M. RABINOWITCH
<i>Assistant Professors</i> .....	{ C. C. BIRCHARD, J. KEITH GORDON, J. KAUFMAN, D. S. LEWIS, C. F. MOFFATT, W. DE M. SCRIVER.
<i>Lecturers</i> .....	{ C. R. BOURNE, NEIL FEENEY, A. F. FOWLER, C. W. FULLERTON, A. T. HENDERSON, W. R. KENNEDY, J. F. MCINTOSH, J. H. PALMER.* COLIN SUTHERLAND, C. J. TIDMARSH, R. VANCE WARD, R. H. M. HARDISTY } Post-retirement D. W. McKECHNIE }
<i>Demonstrators</i> .....	{ L. J. ADAMS, C. B. BARKER, D. BARZA, R. C. BENNETTS, J. O. W. BRABANDER, HUGH BURKE, H. I. CRAMER, B. R. CUDDIHY, W. W. EAKIN, GUY HAMEL, C. R. JOYCE, H. E. MACDERMOT, J. F. MACIVER, W. G. McLELLAN, W. F. McMARTIN, D. L. MENDEL, J. G. MUNROE, M. NOTKIN, S. ORTENBERG, S. L. RICHARDSON, H. N. SEGALL, FRANCES SELYE, C. B. SMITH, F. M. SMITH, M. R. TOWNSEND.

## DERMATOLOGY

<i>Clinical Professors</i> .....	{ J. F. BURGESS (On leave of absence) L. P. EREAUX
<i>Lecturers</i> .....	{ B. USHER F. KALZ

## CLINICAL THERAPEUTICS

<i>Associate Professor</i> .....	D. S. LEWIS
<i>Lecturers</i> .....	{ C. W. FULLERTON W. DE M. SCRIVER GUY FISK ( <i>Physiotherapy</i> ) NORMAN BROWN ( <i>Physiotherapy</i> )

\*On active service.



# TOXICOLOGY AND MEDICAL JURISPRUDENCE

A series of twenty-four lectures and demonstrations.

Professor Rabinowitch.

**TOXICOLOGY:** 1. DEFINITIONS; 2. OCCURRENCE OF POISONING—Accidental. (Food. Industrial. Clothes and Cosmetics. Patent Medicines. Therapeutic. Other). Suicidal. Homicidal. 3. MODE OF ACTION OF POISONS: Modifying Causes—Form. Amount. Mode of Entry into Body. Age. Habit. Sleep. Physical Condition of Subject. Idiosyncrasy. Other. 4. CLASSIFICATION OF POISONS. 5. ACUTE POISONING: Diagnosis—Similarity Between Poisoning and Disease. General Evidence of Poisoning. Rules for Diagnosis. TREATMENT: Principles. General Treatment. Antidotes—Limitations. 6. LEGAL: Control of Poisons—Dangerous Drugs Acts and Regulations. Relation of Doctor to Pharmacist. Administration of Noxious Drugs. Narcotics. 7. MEDICO-LEGAL CONSIDERATIONS IN CASES OF POISONING: Accident. Suicide. Murder. Duty of Doctor—In Suspected Cases. In Known Cases. Post-mortem examinations in Cases of Poisoning.

**MEDICAL JURISPRUDENCE:** A. 1. INTRODUCTION: Definitions—Law. Medicine. Forensic Medicine. 2. LEGAL POSITION OF DOCTORS. 3. OBLIGATION OF DOCTOR TO THE STATE: Medical Notifications and Certifications—Births. Stillbirths. Infectious Diseases. Deaths. Other. 4. RESPONSIBILITIES TO PATIENT: Implied and Expressed Contracts. Professional Secrecy. Privileged Communications. Medico-legal Aspects of Physical Examinations—Consent. 5. MALPRACTICE: Civil. Criminal. Negligence. Contributory Negligence. Errors of Commission. Consultations. Responsibility for Assistants. "Reasonable Care and Judgment". B. LEGAL CRIMINAL PROCEDURE: 1. INVESTIGATION OF SUDDEN DEATHS AND DEATHS FROM UNNATURAL CAUSES—Coroner's Court. 2. MEDICAL EVIDENCE IN COURTS OF LAW: *a.* Documentary. *b.* Oral. *c.* Experimental. 3. GENERAL RULES OF CONDUCT FOR MEDICAL WITNESSES: Professional Secrecy. Privileged Communications. Precognitions. Fees. C. MEDICO-LEGAL ASPECTS OF DEATH: 1. Signs of Death. 2. Apparent Death. 3. Proximate Causes of Death. 4. Sudden Death. 5. Presumption of Death—Presumption of Survivorship. 6. Medico-Legal Forms of Death. 7. Post-Mortem Examinations for Medico-Legal Purposes. 8. Identification of the Dead. D. PERSONAL IDENTITY IN ITS MEDICO-LEGAL BEARINGS: For Civil Purposes. For Criminal Purposes. Mistaken Identity. E. BLOOD STAINS: Medico-legal information from Blood Stains. Blood Grouping. F. WOUNDS: 1. Legal Definition. 2. Types. 3. Medico-legal Examination of a Wounded Person. 4. Causes of Death from Wounds. 5. Wounds after Death. G. MEDICO-LEGAL ASPECTS OF PREGNANCY: H. ABORTION: Duty of Doctor in Cases of Suspected Criminal Abortion and in Cases of Known Criminal Abortion. I. IMPOTENCE AND STERILITY.



J. RAPE. K. INFANTICIDE. L. MENTAL UNSOUNDNESS: Medical Certification of the Insane. Protection of Certifying Physicians. Admission of Voluntary Patients to Institutions for the Insane. M. DRUNKENNESS: 1. Dianosis: Clinical. Chemical. 2. Medico-legal Aspects—Civil. Criminal.

*Text and Reference Books:*—Buchanan's Text Book of Forensic Medicine and Toxicology. Medical Jurisprudence and Toxicology—Glaister. Forensic Medicine—Kerr. Forensic Medicine—Littlejohn. Legal Medicine and Toxicology—Gonzales, Vance and Helpert. Toxicology—McNally. Forensic Medicine—Sydney Smith. Recent Advances in Forensic Medicine—Sydney Smith and Glaister. Taylor's Principles and Practice of Medical Jurisprudence.

## THE CURRICULUM

### FOREWORD:

The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students, teachers and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The University lectures and clinical lectures are open to students of all years. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

### REQUIRED COURSES.

#### SECOND YEAR

Course II 1—*Integration of Physiology, Biochemistry and Anatomy with Medicine.*

Time—Last term of Second Year—Two lectures a week and one amphitheatre clinic.

Place—Medical Building.



*Subject Material*—This course covers in a systematic manner the deviations from the normal of the physiological and biochemical functions. These are correlated so as to explain symptoms and signs which may be found on physical examination as detected by clinical methods dealt with in Course II 2. This course follows a chronological order from birth to old age and is so interpreted as to give the student a panoramic view of these disturbances with a proper perspective.

Course II 2—*A Practical Course in Clinical Methods.*

Time—Last term of Second Year.

Place—Outpatient Dept. of the Royal Victoria and the Montreal General Hospitals.

Subject—Practical instruction 4 hours a week on Normal and Abnormal Physical Signs and one amphitheatre clinic.

Course II 3—*Laboratory Diagnosis.*

Time—Last term of Second Year.

Place—Medical Building.

Subject—Instruction and practice 2 periods a week in microscopy as applied to clinical medicine.

Dr. McIntosh and Assistants.

Third Year

Course III 4—*Amphitheatre Clinics in General Medicine.*

Time—Twice weekly throughout year.

Place—Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.

Course III 5—*Bedside Clinics and Practical Demonstrations.*

Time—Twice weekly during the medical trimester.

Place—Wards of the Royal Victoria and the Montreal General Hospitals.

Course III 6—*Clinico-Pathological Conference*

Time—Weekly during the medical trimester.

Place—The Royal Victoria and the Montreal General Hospitals.

Course III 7—*Case Reporting.*

During the trimester in Medicine students will be assigned patients in the wards. They will be required to write case histories, make a general examination, note progress, and do such laboratory investigations as are within their scope.



Course III 8—*A Practical Course in Diseases of Metabolism.*

Time—Weekly during the medical Trimester.

Place—Royal Victoria and the Montreal General Hospitals.

Subject—This course consists of weekly Ward Rounds in the two Hospitals.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting Medicine

Fourth Year

Course IV 9—*Amphitheatre Clinics in General Medicine.*

Time—Once a week throughout year.

Place—Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.

Course IV 10—*Bedside Clinics and Practical Demonstration.*

Time—Twice weekly during medical quarter.

Place—Wards of the Royal Victoria and the Montreal General Hospitals.

Course IV 11—*Clinico-Pathological Conference.*

Time—Once a week during medical quarter.

Place—Royal Victoria and the Montreal General Hospitals.

Course IV 12—*A systematic course of lectures designed to give a general survey of laboratory procedures and their interpretation.*

Course IV 13—*Clinical Therapeutics—practical instruction.*

Time—Once a week during the medical quarter.

Place—Royal Victoria and the Montreal General Hospitals.

Course IV 14—*A Course of Lectures in Medicine.*

Time—One period a week throughout year.

Place—Medical Building.

Subject—Lectures in General Medicine to give a general survey<sup>n</sup> of medicine in all its clinical aspects.

Course IV 15—*A course of lectures in Dermatology.*

Time—One period a week throughout the year.

Place—Medical Building.

Subject—Lectures in Dermatology and Syphilology.

Course IV 16—*Dermatology and Syphilology—practical instruction.*

Time—Twice a week during one quarter.

Place—Montreal General and Royal Victoria Hospitals.



## Text and Reference Books

*Clinical Methods and Physical Diagnosis*:—Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Major, "Physical Diagnosis"; Murray, "Examination of the Patient"; Gradwohl, "Clinical Laboratory Methods and Diagnosis"; Hutchison and Hunter, "Clinical Methods"; Cabot & Adams, "Physical Diagnosis"; Department of Medicine, McGill University, "Guide to Medical Case Reporting".

*General Medicine*:—McLeod, "Physiology in Modern Medicine"; Best and Taylor, "Physiological Basis in Medical Practice"; Meakins, "Practice of Medicine"; Cecil, "Text Book of Medicine"; Davis, "Cyclopedia of Medicine"; Rolleston, "The British Encyclopædia of Medical Practice"; Lewis, "Diseases of the Heart"; White, "Heart Disease"; Norris and Landis, "Diseases of the Chest"; Eusterman and Balfour, "Stomach and Duodenum"; Hurst and Stuart, "Gastric and Duodenal Ulcer"; Joslin, "Diabetic Manual"; "Treatment of Diabetes Mellitus"; McLester, "Nutrition and Diet in Health and Disease"; Lusk, "Science of Nutrition"; Peters and Van Slyke, "Quantitative Clinical Chemistry"; Vol. 1, Interpretations; DuBois, "Basal Metabolism in Health and Disease"; Kurzrok, "The Endocrines in Obstetrics and Gynæcology"; Clendening, "Methods of Treatment"; "Pharmacopœa of the Teaching Hospitals".

*General Medicine*:—Smith & Gault, "Essentials of Pathology"; Yates, "Fundamentals of Internal Medicine"; McCombs, "Internal Medicine in General Practice"; Christian, "Osler's PRINCIPLES AND PRACTICE OF MEDICINE", 15th edition

*Dermatology*:—Walker, "Introduction to Dermatology"; MacLeod, "Diseases of the Skin"; Sutton and Sutton, "Diseases of the Skin"; Ormsby, "Diseases of the Skin".

## PSYCHIATRY

<i>Professor and Chairman of the Department</i> .....	D. EWEN CAMERON
<i>Clinical Professor</i> .....	C. A. PORTEOUS
	R. B. MALMO
<i>Assistant Professors</i> .....	M. PRADOS
	G. E. REED
	BARUCH SILVERMAN
<i>Lecturer</i> .....	KARL STERN
<i>Sessional Lecturers</i> .....	MAJOR A. A. BAILEY
	MAJOR K. MCGREGOR
	H. LEHMAN
<i>Demonstrators</i> .....	LLOYD HISEY
	A. A. MCKAY
	C. SKITCH
<i>Research Fellow</i> .....	EDRITA FRIED



## FOREWORD

Instruction in human behaviour is given in all four years. Emphasis is placed upon the personality factor in all forms of illness. Consequently, teaching is carried on in close relation with other aspects of medicine. It is planned to take full advantage of the teaching facilities not only of the Institute but of the wards and out-patient departments of the Royal Victoria Hospital and of the Montreal General Hospital.

Special prominence is given to those psychological and personality situations which the student will meet after graduation in his day to day teaching. Instruction in military psychiatry and in child psychiatry is given in the final years.

## REQUIRED COURSES

1. **PSYCHOBIOLOGY**—A course of twelve lectures will be given in the first year. In this course, the various aspects of human behaviour will be stressed, with special reference to their relationship to medicine.  
Dr. Cameron.
2. **PSYCHIATRY**—Eighteen lectures on the basis behavioral disorders will be given. During the second year both those disorders which require hospitalization and those which can be dealt with on an ambulant basis will be considered.  
Dr. Reed and Assistants.
3. A course of eight lectures will be given on child psychiatry during the fourth year.  
Dr. Silverman.
4. Clinical demonstrations, out-patient instruction and ward rounds will be held during the fourth year. Certain of these will be devoted to early behavioral disturbances, psychosomatic and toxic states, and drug addictions.  
Drs. Cameron, Stern and MacKay.
5. Instruction will be given in adult out-patient psychiatry in the Psychiatric Outdoor Department in the Royal Victoria Hospital, and in child out-patient psychiatry at the Mental Hygiene Institute.  
Drs. Prados and Silverman.
6. Instruction in military psychiatry will be given at the Allan Memorial Institute.  
Drs. Bailey and McGregor.
7. Instruction in the care of long term cases, and institutional psychiatry, will be given at the Allan Memorial Institute and Verdun Protestant Hospital.  
Drs. Reed, Skitch and Lehman.



## PAEDIATRICS

<i>Professor and Chairman of the Department</i> . . . . .	R. R. STRUTHERS**
<i>Associate Professors</i> . . . . .	{ S. GRAHAM ROSS A. GOLDBLOOM, <i>Chairman</i>
<i>Assistant Professor</i> . . . . .	L. LINDSAY
<i>Lecturers</i> . . . . .	{ A. K. GEDDES ALAN ROSS* JESSIE BOYD SCRIVER B. BENJAMIN J. H. O'NEILL
<i>Demonstrators</i> . . . . .	{ S. J. USHER E. M. WORDEN C. STEWART
<i>Sessional Demonstrators</i> . . . . .	{ S. I. DOUBILET F. SHIPPAM

## . REQUIRED COURSES

1. LECTURE COURSE: A series of lectures on pædiatrics, intended as an introduction to various aspects of Diseases of Children—Hygiene—Nutrition—Infections—Family Relationships—Infectious Diseases and Preventive Medicine.

Once a week during the Autumn, Winter, and Spring terms (as announced) at the Medical Building or at the Children's Memorial Hospital.  
Professor Goldbloom and Assistants.

2. DISEASES OF THE NEWBORN: Royal Victoria Maternity Pavilion.  
A weekly clinic-demonstration to groups of students of the Third Year during their Obstetrics Trimester.

Professor Ross, Drs. Scriver and Worden.

3. CLINICAL PAEDIATRICS: During the final year the class is divided into groups, each group devoting five weeks to the study of the diseases of childhood, including: (a) General Pædiatrics—Children's Memorial Hospital. Daily bedside clinics by members of the department during the five week period spent by each student in attendance at the Children's Memorial Hospital—presentation of cases—discussion of case reports—ward rounds and staff rounds.

Staff Members.

(b) Normal Infant Feeding, Care and Development and Preventive Pædiatrics. Immunization Procedures. Drs. Scriver, Usher, Benjamin. Child Welfare Association Clinics.

\*On Military Service.

\*\*On Leave of Absence.



(c) *Infectious Diseases*: A series of demonstrations to groups of students on the common infectious diseases, is given at the Alexandra Hospital.  
Drs. Worden, C. Stewart.

*Text-books*: Holt and McIntosh, "Diseases of Infancy and Childhood"; Griffith and Mitchell "Diseases of Infants and Children"; Porter and Carter, "Management of the Sick Infant and Child"; Brown and Tisdall, "Common Procedures in Pædiatrics".

*Reference Books*: Brenneman, "Practice of Pædiatrics" (4 volumes); Parsons and Barling, "Diseases of Infancy and Childhood" (2 volumes); Langdon, "Home Guidance for Young Children"; Abt's "Pædiatrics" (8 volumes); Still, "Common Disorders and Diseases of Childhood"; John Thomson, "Clinical Study and Treatment of Sick Children".

#### DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

<i>Professor of Neurology and Neurosurgery, Chairman of Department</i> . . .	WILDER PENFIELD
<i>Associate Professor of Neurology</i> . . . . .	COLIN RUSSEL (post retirement)
<i>Associate Professor of Neurosurgery</i> . . .	WILLIAM CONE
<i>Clinical Professor of Neurology</i> . . . . .	F. H. MACKAY
<i>Assistant Professors of Neurology</i> . . .	{ K. A. C. ELLIOTT DONALD McEACHERN* FRANCIS McNAUGHTON ARTHUR W. YOUNG
<i>Assistant Professor of Neurosurgery</i> . . .	ARTHUR ELVIDGE
<i>Assistant Professor of Neurological Radiology</i> . . . . .	ARTHUR CHILDE
<i>Assistant Professor of Neurophysiology</i> . . . . .	HERBERT JASPER*
<i>Lecturers in Neurology</i> . . . . .	{ JOHN KERSHMAN* W. D. ROSS* NORMAN VINER
<i>Lecturer in Neuropathology</i> . . . . .	MURTON SHAVER
<i>Demonstrator in Neurology</i> . . . . .	J. PRESTON ROBB
<i>Demonstrator in Neuropathology</i> . . . . .	ARTHUR A. MORRIS, JR.
<i>Research Fellows at the Montreal Neurological Institute</i> . . . . .	{ M. BORNSTEIN CHAO-JEN CHEN CARLOS CORONA ALFRED POPE**

\*On Military Service.

\*\*National Research Council Fellow.



## OUTLINE OF COURSES, 1945-46

## SECOND YEAR.

- 2A. *Clinical Neuroanatomy and Neurophysiology*. 4 lectures.  
Dept. of Medicine. Dr. F. McNaughton.
- 2B. *Physical Examination of the Nervous System*. 2 theatre clinics.  
Dept. of Medicine. (1 at M.G.H., 1 at R.V.H.). Clin. Prof. F. H. Mackay.

## THIRD YEAR.

- 3A. *Survey of Neurology and Neurosurgery*. 16 lectures.  
M.N.I. Amphitheatre. Professor Penfield and Assoc. Professor Russel.

## FOURTH YEAR.

- 4A. *Neurological and Neurosurgical Clinics*. 19 theatre clinics.  
M.N.I. Amphitheatre. Professor Penfield, Assoc. Professor Cone, Clinical Professor Mackay, Dr. F. McNaughton.
- 4B-1 *Neurological O.P.D.* R.V.H. Outpatient Department. Monday and Thursday afternoons. Dr. Young and assistants.
- 4C-1 *Neurology Ward Classes*. Dept. of Medicine. Wednesdays. M.N.I. (R.V.H. group). Assoc. Professor Russell.
- 4B-2 *Combined Neurological O.P.D. and Ward Classes*. M.G.H. Monday & and Friday afternoons. (M.G.H. group). Clin. Professor F. H. Mackay and assistants.
- 4D-1 *Neurosurgery Ward Classes*. Dept. of Surgery. M.N.I. (R.V.H. group). Assoc. Professor Cone.
- 4D-2 *Neurosurgery Ward Classes*. Dept. of Surgery. M.N.I. (M.G.H. group). Dr. Elvidge.
- 4E-1 *Neurology Seminar*. R.V.H. Outpatient Department. Tuesday afternoons. Dr. F. McNaughton and Dr. J. P. Robb.
- 4E-2 *Neurology Seminar*. M.G.H. Outpatient Department. Friday afternoons. Dr. F. McNaughton and Dr. J. P. Robb.

## ELECTIVE COURSES.

- I. *Clinics on Diseases of the Nervous System*. R.V.H. Outpatient amphitheatre (if requested). Tuesdays 3-4 o'clock. Professor Penfield.
- II. *Contribution of the Basic Sciences to Neurology*. M.N.I. Tuesdays 5.30 p.m. Various members of the Department of Neurology and Neurosurgery, organized by Dr. McNaughton.
- III. *Advanced Neuroanatomy (Anatomy 3)*. Construction of model of human brain. M.N.I. Monday and Tuesday, 8-10 p.m. (Registration limited to 10). Drs. McNaughton and Kershman.



## SURGERY

<i>Professor and Chairman of the</i>	
<i>Department</i> .....	FRASER B. GURD
<i>Professor</i> .....	F. E. MCKENTY
	{ J. C. ARMOUR,
<i>Associate Professors</i> .....	J. G. W. JOHNSON,
	G. GAVIN MILLER,
	D. E. ROSS.
	{ R. R. FITZGERALD,
	C. A. MCINTOSH, L. H. MCKIM,
<i>Assistant Professors</i> .....	A. ROSS, A. J. STEWART,
	H. L. DAWSON, A. L. WILKIE,
	H. M. ELDER*.
	{ J. C. LUKE*, S. J. MARTIN,
<i>Lecturers</i> .....	H. F. MOSELEY, P. G. ROWE,
	S. G. BAXTER*, H. G. PRETTY.
	{ F. D. ACKMAN, H. A. BAXTER,
	F. H. CAYFORD, E. M. COOPER,
<i>Demonstrators</i> .....	H. S. DOLAN, MARK KAUFMANN,
	G. D. LITTLE, C. K. MCLEOD,
	J. C. SUTTON.

## ORTHOPAEDIC SURGERY

<i>Lecturer</i> .....	N. T. WILLIAMSON
<i>Demonstrator</i> .....	S. E. GOLDMAN

## ANAESTHESIA

	{ WESLEY BOURNE
<i>Lecturers</i> .....	M. D. LEIGH
	C. C. STEWART
	F. A. H. WILKINSON
<i>Demonstrators</i> .....	{ A. M. TORRIE
	W. C. STOCKWELL

## UROLOGY

<i>Clinical Professors</i> .....	{ R. E. POWELL
	E. S. SMITH
<i>Lecturer</i> .....	M. I. SENG
	{ A. B. HAWTHORNE
<i>Demonstrators</i> .....	A. M. J. TANNEY
	R. G. REID

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\*On Military Service.



## SECOND YEAR.

2A. *Clinical Urology*

Group classes, 4 demonstrations, in which instruction in methods of Urological examination is given in the Montreal General and Royal Victoria Hospitals.

(See Surgery—2B).

## FOURTH YEAR.

4A. *Survey of Urology*. 12 lectures.

In the Surgical trimester:—

4B. *Urological Clinics—Ward Classes*

The Montreal General Hospital—3 classes a week.

Royal Victoria Hospital—3 classes a week

4C. *Case Reporting in Urological Wards*.

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics and demonstrations and group teaching in the wards and out-patient departments of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

## REQUIRED COURSES

## SECOND YEAR.

Surgical teaching begins in the spring term (16 weeks) of the Second Year. In this year special attention is directed to the instruction and training of the student, in proper methods of physical examination, from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

*Courses.*

2A. *A course of lectures* (16) covering the history of Surgery and an introduction to the study of surgical diseases. This course includes five lectures on "First Aid."

2B. *Group classes* in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

## THIRD YEAR.

The student comes into a more intimate contact with the patients, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, and assists at operations.



- 3A. *Amphitheatre Clinics and Demonstrations* in the Montreal General and Royal Victoria Hospitals, two days a week throughout the year.
- 3B. *Group Ward classes* in the Montreal General and the Royal Victoria Hospitals, three times a week during the term.
- 3C. *Case Reporting*. Patients are allotted to students who act as reporters, dressers, and assistants at operations.

#### FOURTH YEAR.

##### *Courses.*

- 4A. *Amphitheatre Clinics and Demonstrations* in the Montreal General and Royal Victoria Hospitals alternately, once a week throughout term.
- 4B. *Group Ward Classes and Ward rounds* in the Montreal General and Royal Victoria Hospitals, four times a week during the term.
- 4C. *Case Reporting*
- 4D. *Clinico-Pathological conferences* once a week during the term, jointly with the Department of Pathology, at the Montreal General and Royal Victoria Hospitals.

SURGICAL DISEASES OF CHILDREN.—Instruction in the surgical diseases of children is given during the trimester in which the students are assigned to pædiatrics at the Children's Memorial Hospital, as follows:—

- 4A. *Amphitheatre Clinics* once a week throughout trimester.
- 4B. *Group Ward Classes* three times a week throughout trimester.

#### ORTHOPAEDIC SURGERY

##### FOURTH YEAR COURSES.

- 4A. *Clinical Lectures*. A course of 8 lectures given at the hospitals.
- 4B. *Ward Classes* at the Montreal General and Royal Victoria Hospitals, once a week during the surgical trimester.
- 4C. *Group Classes in the Out-door Department* of the Montreal General and Royal Victoria Hospitals, twice a week during the surgical trimester.

ANAESTHESIA.—Instruction in anaesthesia is given by the Department of Pharmacology and Clinical Therapeutics. Students are given practical instruction in the administration of anaesthetics, during their surgical trimesters in the Third and Fourth Years at the Montreal General and Royal Victoria Hospitals.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology and Bacteriology.



The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

*Text-books:—*

1. *General Surgery*: John Homans, "A Text-book of Surgery"; Choyce, C. C., "A System of Surgery"; Gask and Wilson, "Surgery"; Hamilton Bailey, "Demonstrations of Physical Signs in Clinical Surgery"; Christopher; Cole and Elman; Romanis and Mitchener; Handfield, Jones and Porrett, "The Essentials of Modern Surgery"; Rose and Carless, "Manual of Surgery"; Berman's Synopsis of Principles of Surgery; Pack and Livingston's "Treatment of Carcinoma"; Christopher's "Minor Surgery".

2. *Emergency Surgery*: Sluss, John W., "Manual of Emergency Surgery"; Cole & Puestow, "Advanced First Aid".

3. *Surgical Anatomy*: McGregor, "Synopsis of Surgical Anatomy"; Treves, "Surgical Applied Anatomy".

4. *Fractures and Dislocations*: Scudder, Charles L., "Treatment of Fractures"; Wilson and Cochrane, "Fractures and Dislocations"; Magnuson's "Fractures"; Stimson's "Manual of Fractures and Dislocations"; Wilson's "Management of Fractures"; Key and Conwell's "Fractures and Dislocations"; Watson Jones "Fractures and other Bone and Joint Injuries"; Key and Conwell, "Fractures, Dislocations and Sprains".

5. *Case Reporting*: White, J. Renfrew, "The Clinical Examination of Surgical Cases"; Geckeler's "Fractures and Dislocations."

6. *Urology*: Eisendrath and Rolnick's "Urology"; Herman's "Practice of Urology"; Hinman's "Principles and Practice of Urology"; Keyes and Ferguson's "Urology"; Young's "Practice of Urology"; Le Comte's Manual of Urology.

7. *Orthopædic Surgery*: Whitman's "Orthopædic Surgery"; Jones, "Orthopædic Surgery of Injuries"; Jones and Lovett, "Orthopædic Surgery"; Mercer's "Orthopædic Surgery"; Willis Campbell's "Orthopædic Operations"; Sever's "Handbook of Operative Surgery"; Steindler's "Orthopædic Operations".



## OBSTETRICS AND GYNAECOLOGY

*Professor and Chairman of the  
Department* .....

*Associate Professors* .....

A. D. CAMPBELL

N. W. PHILPOTT, *Acting*

W. A. G. BAULD *Chairman.*

*Assistant Professors* .....

J. S. HENRY

G. C. MELHADO

*Lecturers* .....

P. J. KEARNS

IVAN PATRICK

ELEANOR PERCIVAL

*Demonstrators* .....

J. E. AYRE

W. R. FOOTE

G. B. MAUGHAN

K. T. MACFARLANE

D. W. SPARLING

*A. A. Browne Fellow* .....

*Teaching Fellow* ..... S. GOLD

*Sessional Lecturer* ..... GEORGE STREAN

The entire course is arranged on the basis of imparting a practical knowledge of Obstetrics, Gynaecology and the Care of the New-born. The value of intimate contact with the patient in the normal and the pathological state is stressed.

The privilege of serving as an interne in the hospital for two weeks treating the patients from the time of admission till discharge from hospital is an ideal arrangement. Rooms are provided in the Women's Pavilion where the students may reside, in groups of six, during this period.

## OBSTETRICS

## REQUIRED COURSES

## THIRD YEAR.

1. Thirty-five Clinical Conferences for all Third Year students, Wednesday 12.45-1.45 p.m., illustrating the more important Obstetrical conditions. Prof. Philpott.
2. Thirty-five lectures relative to the anatomy and physiology of the pelvis as well as a general introduction to Obstetrics and associated Gynaecological lesions. Prof. Philpott.
3. Thirty demonstrations are given in Obstetrical palpation and on the manikin, with the aid of models, diagrams, lantern slides and moving pictures. Given by Members of the Staff.



4. Clinical instruction for twelve periods in case-rooms and wards.  
Given by Members of the Staff.
5. Six lectures concerning early development of the embryo and the placenta.  
Given by Members of the Staff.
6. Six lectures or demonstration periods relative to the care of the New-born.  
Prof. Goldbloom and Prof. Ross.

## FOURTH YEAR.

1. Thirty-five Clinical Conferences for all Fourth Year students, Wednesday, 12.45-1.45 p.m., illustrating the more important Obstetrical conditions.  
Prof. Philpott.
2. Staff Conference held once a week is arranged to give a complete account of the work of the hospital. This is attended by those students in the current Obstetrical Course.  
Prof. Philpott.
3. Fifteen lecture demonstrations are held in the Lecture Theatre on the following subjects:—  
Normal Labour.....Prof. Philpott.  
Dystocia.....Dr. Melhado.  
Toxæmia of Pregnancy.....Dr. Foote.  
Hæmorrhage.....Prof. Henry.  
Puerperal Infection.....Prof. Campbell.
4. Fourteen instruction periods including conduct of pregnancy, labour and puerperium in Out-patient Department, Case-rooms and Wards.  
Given by Senior Members of Staff.

## GYNAECOLOGY

1. Theatre clinics and bedside instruction in the Royal Victoria and Montreal General Hospitals. Professors Fraser, Campbell and Staff.
2. A special course on Gynæcological Pathology. Dr. P. J. Kearns.
3. Methods of Gynæcological examination, diagnosis and treatment in the outdoor departments.
4. A special course of instruction, once a week, through the year in the cancer clinic on methods of diagnosis and treatment of cancer, dealing especially with Radium and X-Ray. Prof. Bauld and Staff.

## TEXT AND REFERENCE BOOKS

## OBSTETRICS.

- |             |  |
|-------------|--|
| (1) De Lee  | Principles and Practice of Obstetrics. |
| (2) Stander | Text book on Obstetrics.               |



(3) Ten Teachers	Midwifery.
(4) Bland	Practice of Obstetrics.
(5) Miller, J.	Manual of Obstetrics.
(6) Appleton	Obstetrical and Gynæcological Monographs.
(7) Peterson	Demonstration Course in Obstetrics.
(8) Irving	Text book on Obstetrics.
(9) Beck	Obstetrical practice.
(10) Adair	Obstetrics.

## GYNAECOLOGY.

(1) Graves	Text book of Gynæcology.
(2) Curtis	Text book of Gynæcology and System of Gynæcology and Obstetrics.
(3) Ten Teachers	Diseases of Women.
(4) Monroe Kerr	Gynæcology.
(5) Kelly, Howard	Text book of Gynæcology.
(6) Goodall	Puerperal Infection.
(7) Crossen	Gynæcology.
(8) Kennedy, Campbell	Vaginal Hysterectomy.

## OPHTHALMOLOGY

<i>Professor and Chairman of the Department</i> . . . . .	J. A. MACMILLAN
<i>Assistant Professor</i> . . . . .	STUART RAMSEY
<i>Lecturers</i> . . . . .	{ K. B. JOHNSTON J. ROSENBAUM
<i>Demonstrator</i> . . . . .	B. ALEXANDER

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses in the Third and Fourth Year of the Medical Course:—

## THIRD YEAR

## 1. ROUTINE EXAMINATION OF THE EYE.

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours. . . . . Professor MacMillan and members of the Staff.



## THIRD YEAR.

## 2. LECTURE DEMONSTRATIONS TO ENTIRE CLASS.

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the Final Year.

Ten hours. . . . . Professor MacMillan.

## FOURTH YEAR.

## CLINICAL OPHTHALMOLOGY.

This teaching is conducted in the Ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals. The class is divided into groups of ten, each group receiving twenty-five hours instruction. Ocular problems that are of greatest moment in general practice are discussed. This includes the external diseases of the eye, the main ophthalmological findings in systemic disorders, affections of the nervous system, and as far as possible a co-relation of the clinical and histological ocular changes.

Professor MacMillan and members of the Staff.

*Text-books*:—May, Gifford, Parsons, Berens.

*Reference books*:—Duke-Elder.

## OTO-LARYNGOLOGY

*Assistant Professor and Chairman*

*of the Department* . . . . . D. H. BALLON

*Assistant Professor* . . . . . G. E. HODGE

*Lecturers* . . . . . { W. J. McNALLY  
R. P. WRIGHT  
K. O. HUTCHISON  
G. E. TREMBLE  
A. O. FREEDMAN  
E. E. SCHARFE

*Demonstrators* . . . . . { G. E. M. HILTON  
F. W. SHAVER

Instruction in Oto-Laryngology is given to students of the third and fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.



Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

A course of 10 demonstrations is given to students of the Third Year. These demonstrations deal with the normal anatomy of the ear, nose and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose and throat. Ward rounds are made to illustrate the pre- and post-operative methods of treatment.

Ten practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

FOURTH YEAR:

*Text and Reference Books:*—Sir St. Clair Thomson: Diseases of the Nose and Throat; A. Logan Turner: Diseases of the Nose, Throat and Ear; Chevalier Jackson and G. M. Coates: The Nose, Throat and Ear and Their Diseases; Philip O. Kerrison: Diseases of the Ear; Chevalier Jackson: Bronchoscopy, Oesophagoscopy and Gastroscopy; D. H. Ballon: Chapters on Bronchoscopy and Oesophagoscopy in Surgical Diseases of the Chest by Evarts A. Graham, J. J. Singer, Harry C. Ballon.

Associate Professor.....CARLETON B. PEIRCE\*\*

W. L. RITCHIE

*Assistant Professors* . . . . . { J. J. L. BOUCHARD  
A. E. CHILDE  
J. W. MCKAY

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## FIRST YEAR.

## COURSES OFFERED

In co-operation with the Department of Anatomy, demonstrations are given of the Roentgenologic anatomy of the skeletal, respiratory, gastrointestinal and urogenital systems, including fluoroscopic demonstrations of functional anatomy of joints, the thoracic viscera and the alimentary tract.

Associate Professor Peirce and Staff.

## SECOND YEAR.

## Introduction to Radiology:

In co-operation with the Department of Medicine (Course II 2) as an introduction to special methods in Physical Diagnosis, the various means of Radiologic examination are demonstrated to small groups of students in the Montreal General Hospital and the Royal Victoria Hospital. The fluoroscopic and roentgenographic methods of study of the cardio-respiratory and gastro-intestinal systems especially are compared with the clinical means in physical examination

Associate Professor Peirce and Staff.

Associate Professor Ritchie and Staff.

## THIRD YEAR

## III ROENTGEN PATHOLOGY AND RADIATION THERAPY:

A course of 20 lectures presenting the general features of roentgen interpretation, systemic roentgen pathology and the principles of roentgen and radium therapy.

Associate Professors Peirce and Ritchie.

Assistant Professors Bouchard, Childe and McKay.

## FOURTH YEAR.

## IV-A CLINICAL RADIOLOGY:

(1) A course of six lectures on special clinical applications of roentgen rays and radium radiation.

Associate Professors Peirce and Ritchie  
and Members of the Staff.

IV-A (2) Conference periods, two hours weekly each quarter during which the students in the several hospitals discuss clinical case material with the Members of the Department.

Children's Memorial Hospital—Asst. Prof. Childe.

Montreal General Hospital—Assoc. Prof. Ritchie.  
Assist. Prof. McKay and Staff.

Royal Victoria Hospital—Assoc. Prof. Peirce,  
Assist. Prof. Bouchard and Staff.



IV-A (3) Tumour Conference: The final year students attend Tumour or Neoplasm Conferences in the several teaching hospitals, wherein all means of diagnosis and treatment of malignant neoplasms, especially, are considered by representatives of all departments of the teaching staffs, and their experience reviewed.

#### POST-GRADUATE INSTRUCTION.

Post-graduate training prerequisite to certification in the specialty by the Royal College of Physicians and Surgeons (Canada) or the American Board of Radiology is available in the teaching hospitals to selected graduates of approved Faculties or Schools of Medicine.

*Text and Reference Books:*—Roentgen Interpretation, Holmes and Ruggles; Text Book of Radiology, Shanks, Kerly and Twining; Diagnostic Radiology, Golden (et al); Head and Neck in Roentgen Diagnosis, Pancoast, Pendergrass and Schaeffer; Roentgenology, Kohler; Urological Roentgenology, Wesson and Ruggles; Clinical Roentgenology of the Cardiovascular system, Roessler; The Digestive Tract, Barclay; Theoretical Principles of Roentgen Therapy, Pohle; Clinical Roentgen Therapy, Pohle; Physical Foundations of Radiology, Glasser, Quimby, Taylor and Weatherwax.

#### RESEARCH INSTITUTE OF ENDOCRINOLOGY

<i>Director</i> .....	J. B. COLLIP
<i>Asst. Professor</i> .....	ROBERT L. NOBLE
<i>Lecturers</i> .....	{ A. H. NEUFELD*
	{ C. GWENDOLINE TOBY
<i>Fellow</i> .....	HECTOR MORTIMER

This Institute established in 1941 and housed in the West Wing\* of the Medical Building is devoted to research in the fundamentals of endocrinology. It is not an undergraduate teaching department, but is closely associated with the Faculty of Graduate Studies and Research and the Faculty of Medicine and affords facilities for properly qualified graduates to work for the Ph.D. degree.

The Institute is under the Direction of Professor J. B. Collip, Gilman Cheney Research Professor of Endocrinology. Dr. Robert L. Noble is the senior assistant in the Physiological branches of the subject and Dr. A. H. Neufeld is the senior assistant in the biochemical branches.

A limited number of graduate students will be accepted. Entrance requirements are either the degree of Doctor of Medicine with high stand-

\*On military service.



ing in the courses for that degree, or the M.Sc. degree in Physiology or Biochemistry or its equivalent in training in these subjects.

The minimum period in which a student with a B.Sc. or an M.D. degree can obtain a Ph.D. degree is three years. A student with an M.Sc. degree or its equivalent may qualify for the Ph.D. degree in a minimum of two years. It is not proposed to do any didactic teaching in the Institute, but candidates for a Ph.D. degree will be required to pass a comprehensive examination in the subject and to submit a thesis.

Inquiries concerning the Institute should be addressed to the Director.

## GRADUATE INSTRUCTION

1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.

2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is \$30.00 a term (10 weeks).

\*3. COURSE FOR DIPLOMA OF PUBLIC HEALTH: This course is specially designed as a thorough training for medical men in public health.

The duration of the course is one academic year.

The curriculum is as follows:—

(a) A course dealing in a comprehensive manner with the general principles of Public Health and Preventive Medicine,

(b) A course covering health organization, legislation and administration.

(c) A course on vital statistics and records, including practical work.

(d) Courses in bacteriology and parasitology, including laboratory work.

(e) Field work: Arrangements made with the Department of Health, Montreal, and the voluntary health agencies of Montreal.

Seminars are held throughout the year. Arrangements are made for special courses in such subjects as tuberculosis, venereal disease, etc., and for special visits.

Examinations are written, oral and practical.

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\*Suspended for the present session.



The inclusive fee for the course is \$155 for British subjects and \$205 for non-British subjects.

\*4. COURSE FOR DIPLOMA IN VETERINARY PUBLIC HEALTH: A course leading to a Diploma in Veterinary Public Health (D.V.P.H.) has been organized under the Department of Public Health and Preventive Medicine, and is open to graduates of recognized schools of veterinary medicine.

The purpose of the course is to prepare veterinarians to render better service in the fields of public health, particularly in the control of food and milk supplies, into which they are now being brought.

The work occupies one academic year, with approximately 36 hours of instruction (lectures and laboratory work) per week.

The curriculum includes Public Health, Physiology, Dairy Bacteriology, Nutrition, Milk and Meat Hygiene, Epizootology and Public Health Parasitology.

The tuition fee for the course is \$150.

#### COURSE FOR DIPLOMA IN TROPICAL MEDICINE

This course was offered for the first time during the session 1944-45. Its object is to train medical graduates to deal with medical problems peculiar to tropical areas. In this connection, it has been approved by Faculty as satisfying the requirements of a fifth year of professional training, which is required of McGill graduates before a certificate is issued stating that his medical education is complete, and that he is eligible to sit the examinations of a licensing board. It is also suggested as a refresher course for medical graduates who have been working in the tropics, and wish to take advanced work in Parasitology and other branches related to tropical hygiene.

The Diploma will be granted to graduates of any recognized medical school after completion of three of the following units, of which (a) is compulsory:

- (a) Parasitology and Tropical Medicine (3 months).
- (b) Ambulatory patients (3 months).
- (c) Three months at an approved hospital in the tropics.
- (d) Public Health and Tropical Hygiene (3 months).

#### CURRICULUM

- (a) TROPICAL MEDICINE AND PARASITOLOGY.

DEAN D. L. THOMSON, PROFESSORS F. SMITH, T. W. M. CAMERON  
AND R. P. VIVIAN.

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\*Suspended for the present session.



This basic course covers Bacteriology, Parasitology and Medical Entomology as applied to Tropical Medicine and includes an introduction to Nutrition and Hygiene as applied to the tropics, as well as a systematic review of the symptomatology, therapeutics, epidemiology and control of all the important Tropical Diseases. The course lasts twelve weeks (September to November) of which the first two are held in Montreal and the remainder at the Institute of Parasitology at Macdonald College. The class meets daily (Monday to Friday) from nine a.m. to five p.m., and includes, in addition to the systematic lectures, demonstrations in public health matters of importance to the tropics, including port hygiene, rat control, disinfestation methods, as well as visits to various institutions. Special prominence is given to laboratory work, and each student studies not only the aetiology and pathology of all important tropical diseases, but practical means of diagnosis.

THE DISEASES CONSIDERED INCLUDE:

Malarias (including Blackwater fever), Trypanosomiasis, Leishmaniasis and Amoebiasis. Relapsing fever and other Spirochætal diseases. Rickettsial diseases. Bacillary dysenteries, enteric fevers, and Cholera, Plague, Leprosy, and Undulant fever. Anthrax and other diseases of animals in the tropics transmissible to man. Yellow fever, Dengue fever, and Phlebotomus fever. Schistosomiasis, Filariasis and disease caused by other helminths including Ascariasis, Hookworm disease, Trichinosis, Guinea-worm disease, Tapeworm disease and Hydatid, Intestinal, Liver and Lung Flukes. Sprue, Beriberi, Pellagra, Scurvy and Nutritional diseases in the tropics. Heat diseases and tropical skin diseases.

The laboratory course consists in a practical study of the causes and pathology of these diseases together with their vectors and control. (Mosquitoes, Midges, Lice, Flies, Fleas, Bugs, Ticks and Mites). Special attention is paid to diagnostic methods, including examination of the blood, sputum, fæces and urine. Microscopes will be provided.

(b) COURSE IN CARE OF AMBULATORY PATIENTS.

The series of courses in this unit are arranged to give supervised experience in the important diseases common to tropical and temperate climates. Emphasis is placed upon the actual handling of clinical cases. These will be, for the most part, ambulatory patients, attending Hospital and Child Welfare Clinics. Disease will be considered in its various aspects as a community problem. The following courses have been arranged:

- (a) *Syphilology*: 12 lectures, and three practical periods weekly for three months in the Out-patient Department. Dr. L. P. Ereaux and one period weekly on Public Health aspects.



- (b) *Dermatology*: 12 lectures and two practical periods weekly for three months in the Out-patient Department. Dr. Ereaux.
  - (c) *Tuberculosis*: Practical work three mornings weekly at the Royal Edward Laurentian Hospital, and weekly seminars. Dr. H. E. Burke and staff.
  - (d) *Child Welfare Clinics*: Three afternoons a week at the Chandler Health Centre. Dr. L. M. Lindsay.
  - (e) Additional work in *Pædiatrics*, Dr. A. Goldbloom; and in *Hæmatology*, Dr. Joseph Kaufmann.
- (c) CLINICAL INSTRUCTION IN THE TROPICS.

This will consist of a minimum of three months clinical instruction at a hospital in the tropics approved by Faculty. Faculty shall have power to exempt from this course, candidates who have been engaged for at least twelve months in the Treatment of Tropical Diseases in any tropical or sub-tropical country.

\*(d) PUBLIC HEALTH AND TROPICAL HYGIENE.

This course deals with the general principles of Public Health and Preventive Medicine (including vital statistics and records). Special attention will be paid to Tropical life and problems arising from Tropical climates, including water, food, housing and cooling of buildings, disposal of waste, care of the sick, control of nomads and native labour. Suitable demonstrations and visits will be arranged.

## THE MEDICAL BUILDING

This Building, erected in 1911, at a cost of over \$600,000, contains the Offices of Administration, the Medical Library (with its 65,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Health and Social Medicine, the Research Institute of Endocrinology and the Museums of Anatomy, Pathology and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The Laboratories for Histology and Embryology have excellent facilities with space for 120 students, and smaller rooms for research.

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\*Suspended for the present session.



### THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over \$500,000, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the Laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anaesthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

### THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and includes a Pathological Museum and museum workshops. It combines under one roof quarters for teaching and research in these departments, both for the University and for the Royal Victoria Hospital. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.

### THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neuro-surgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, laboratories, etc., the building provides complete residential accommodation for six research fellows.

### THE ALLAN MEMORIAL INSTITUTE

In 1943 a large building and site were donated as a basis for the development of an Institute of Psychiatry. The building has been reconstructed to permit of the establishment of a fifty bed unit, together with



extensive research laboratories, and was officially opened July 12th, 1944. Plans have been drawn up for the carrying out of undergraduate and postgraduate teaching in the Faculty of Medicine.

## HOSPITALS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

Royal Victoria Hospital.

Montreal General Hospital.

Children's Memorial Hospital.

Alexandra Hospital for Infectious Diseases.

Verdun Protestant Hospital.

Royal Edward Laurentian Hospital.

The Royal Victoria Montreal Maternity Hospital.

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 3,000 beds.

THE ROYAL VICTORIA HOSPITAL, in juxtaposition to the University buildings, is a general hospital for acute diseases and contains 693 beds and 96 cribs. In a typical year, it cared for 16,637 cases, while in its outdoor department 68,994 cases were treated. Many new additions have been made in the Hospital. A modern University Medical Clinic was established in 1924.

There were 66.2% post-mortems.

The number of resident physicians is 70.

THE ROYAL VICTORIA-MONTREAL MATERNITY PAVILION, with 214 beds for obstetrical and gynæcological cases, was opened in June, 1926. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. In a typical year, the obstetrical service cared for 2,252 confinements in



the Hospital and 210 in the Out-patient Service. In the gynæcological section, 1,803 cases were admitted during the year.

There are ten resident physicians.

THE MONTREAL GENERAL HOSPITAL, CENTRAL AND WESTERN Divisions, is a general hospital for the treatment of acute diseases and contains 600 beds. In a recent year there were 12,200 admissions. The number of patients' visits to the Out-patient Department of both Divisions totals 174,977. Many modern additions to the original buildings have been made permitting increased bed capacity. There is a large biochemical laboratory fully equipped for the complete investigation of the metabolic aspects of disease and in conjunction with this department there is an out-patient clinic, one of the largest on the continent, for the treatment of diabetes mellitus. There were 573 autopsies performed which represents 85% of all autopsies obtainable, i.e., other than coroner's cases, etc. Post Mortem and surgical material at both Divisions is now used for teaching, and clinical teaching is carried out in the public wards at both Divisions. The number of resident physicians is 52. The Dental Clinic of the University completed in 1921 is located at the Central Division and has 50 dental chairs with a large and varied clientele. The number of visits to the Dental Clinic for a recent year was 19,065.

THE CHILDREN'S MEMORIAL HOSPITAL has 267 public beds, and, in a typical year, admitted 3,807 patients. The attendance at its out-door department totalled over 32,459 visits. This hospital admits all classes of cases of disease in children, and enables the students to get a broad concept of pædiatrics. Of special interest are the newly-built wards with cubicles, the Department of Remedial Gymnastics, the Open-air Pavilions, and the well-equipped out-patient service.

There were 97 autopsies per year, which represents 88.3% of all deaths.

The number of resident physicians is 12.

THE ALEXANDRA HOSPITAL FOR INFECTIOUS DISEASES, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 172 beds, and, in a typical year, 2,008 patients were admitted to the hospital. There were 14 autopsies.

The number of resident physicians is 3.

THE VERDUN PROTESTANT HOSPITAL has 1,100 beds.

THE ROYAL EDWARD LAURENTIAN HOSPITAL, in its new building, 3674 St. Urbain St., has space for 70 beds, with operating room, X-Ray



equipment and modern facilities for the examination of patients; it is essentially a dispensary for tuberculosis and offers adequate material for teaching students the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

### LIBRARY

*Honorary Librarian* . . . . . R. L. STEHLE

The Library occupies the central front section of the medical building. It contains more than 65,000 bound volumes and an extensive collection of pamphlets, theses, government publications and other items.

On the third floor are the pleasant, well-lighted reading room capable of accommodating seventy-five readers, and the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library—ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes, some dating back to the sixteenth century. Among the books and journals the ophthalmological section, due in large measure to many gifts from the late Dr. Casey A. Wood, is excellent.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7.30 to 10.00 p.m., except Saturdays, when it is closed at 5 p.m. After June 15th it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

### THE OSLER LIBRARY

*Librarian* . . . . . W. W. FRANCIS

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly



9,500 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death ("*Bibliotheca Osleriana*," Clarendon Press, Oxford, 1929, xxxvi, 785 pp.)

The books are classified in eight sections, of which the first, the "*Bibliotheca Prima*," presents a bibliographical outline of the evolution of science (including literature), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its *Incunabula*, a valuable collection of 137 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

## MEDICAL SOCIETIES

### 1. THE MCGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

- (1) To transact all matters of business connected with the undergraduate body.
- (2) To stimulate interest along medical lines.
- (3) To assist students to express themselves in public with facility.
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.



A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.

## 2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Third and Fourth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

## 3. THE OSLER SOCIETY

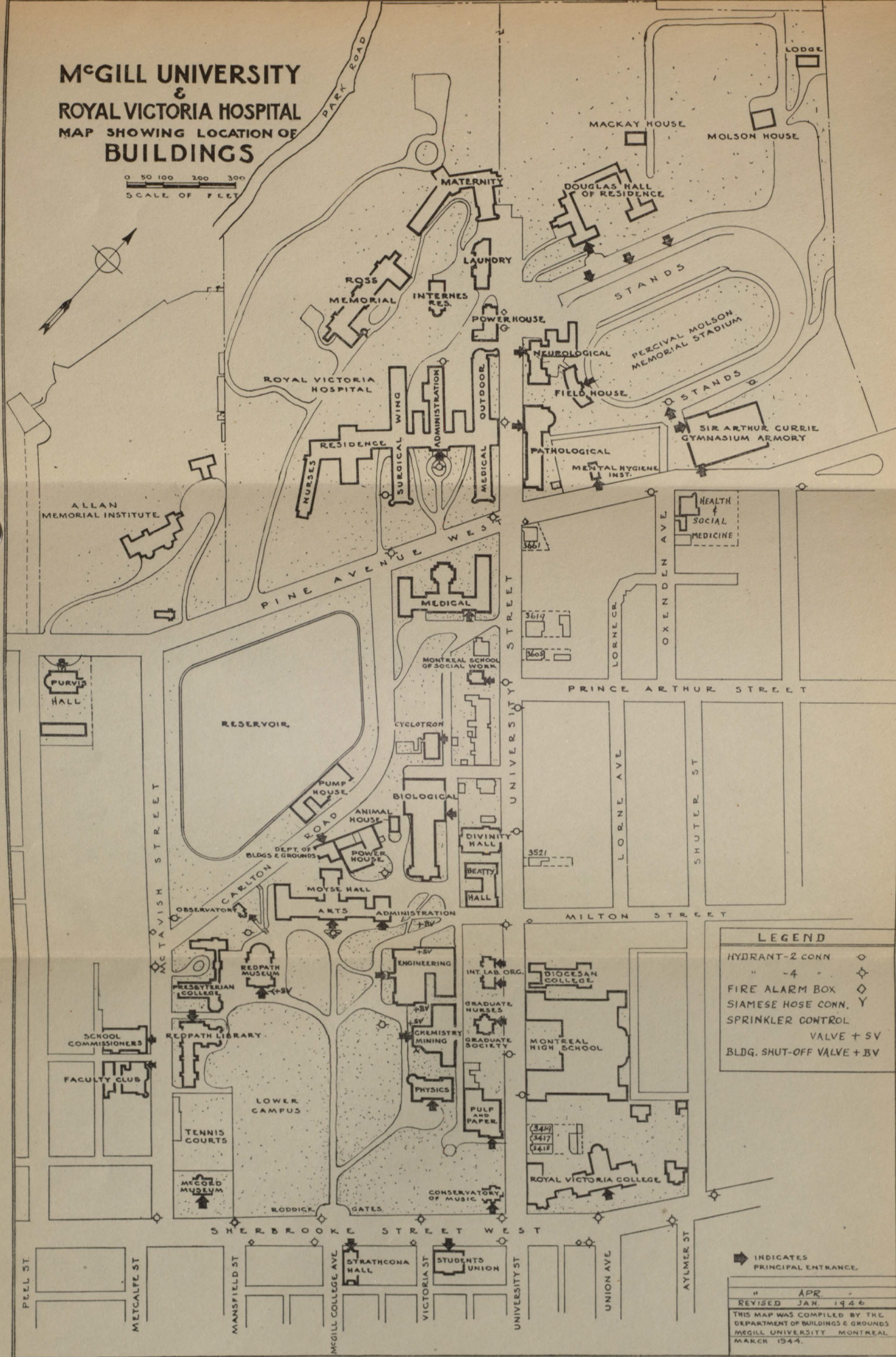
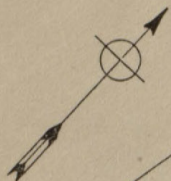
The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.



# McGILL UNIVERSITY & ROYAL VICTORIA HOSPITAL MAP SHOWING LOCATION OF BUILDINGS

0 50 100 200 300  
SCALE OF FEET



## LEGEND

- HYDRANT-2 CONN.
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- FIRE ALARM BOX
- SIAMESE HOSE CONN.
- SPRINKLER CONTROL
- VALVE + SV
- BLDG. SHUT-OFF VALVE + BV

INDICATES  
PRINCIPAL ENTRANCE.

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REVISED JAN. 1946  
THIS MAP WAS COMPILED BY THE  
DEPARTMENT OF BUILDINGS & GROUND  
MCGILL UNIVERSITY MONTREAL  
MARCH 1944.



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McGILL UNIVERSITY  
MONTREAL



FACULTY OF MEDICINE

1946-1947



McGILL UNIVERSITY  
MONTREAL



FACULTY OF MEDICINE

1910-1911



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# MCGILL UNIVERSITY

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## FACULTY OF MEDICINE

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### ADMINISTRATIVE OFFICERS

<i>Principal</i> .....	F. CYRIL JAMES, Ph.D., D.C.L.
<i>Dean of the Faculty</i> .....	J. C. MEAKINS, C.B.E., M.D., F.R.C.S., F.R.C.P., F.R.S.C.
<i>Secretary of the Faculty</i> .....	J. F. McINTOSH, B.A., M.D., C.M.
<i>Bursar</i> .....	W. BENTLEY, C.G.A., A.C.I.S.
<i>Registrar</i> .....	T. H. MATTHEWS, M.A.
<i>University Librarian</i> .....	GERHARD R. LOMER, M.A., Ph.D., F.L.A.
<i>Honorary Medical Librarian</i> .....	R. L. STEHLE, M.A., Ph.D.
<i>Osler Librarian and Director of the Museum of the History of Medicine</i> .....	W. W. FRANCIS, A.B., M.D.
<i>Assistant Secretary of the Faculty</i> .....	MISS G. D. MUDGE.

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A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate announcement, which may be obtained from the Registrar's Office. The announcement also contains the names of members of the staff on active service.







## FACULTY OF MEDICINE

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The one hundred and fourteenth session of the Faculty will open on September 4th, 1946, for students of the 1st year.

### REQUIREMENTS FOR ENTRANCE

The minimum requirement for admission to the medical course is the satisfactory completion of three full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof), including courses in the following subjects: Physics, one year with laboratory work; Biology, one year of General Biology or Zoology with laboratory work; half year of Botany and half year of Zoology will be accepted, but not one year of Botany alone; Chemistry, two full courses, including one full course of Organic Chemistry with laboratory work. Candidates for admission shall furnish evidence that they have satisfied the matriculation requirements of the Licensing Body where they wish to practise.

### EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

The equivalent courses of study in schools accepted by this University shall be determined from time to time. Acceptance of a course of study as equivalent may not include the examination in that subject held by the accepted school, but the student may be required to pass such examinations, individual or comprehensive, as may be required by the Faculty.

### APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than March 1st.



A fee of \$25.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Dean or Secretary of the Faculty, when possible, is advisable.

### REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office on Tuesday, September 3rd, 1946. Those who register after this date will be required to pay a late registration fee of \$5.00 if they register during the first week of the session and \$10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.



## FEES

### UNIVERSITY FEES

1. REGULAR STUDENTS.
 

Annual fee for British students .....	\$375.00
By instalments: each of two instalments .....	190.00
Annual fee for Non-British students .....	475.00
By instalments: each of two instalments .....	240.00
2. REPEATING A YEAR.
 

British students repeating a year pay .....	375.00
Non-British students repeating a year pay .....	475.00
3. PARTIAL STUDENTS.
 

Qualified students may be admitted as partials to one or more courses on payment of special fees.
4. AD EUNDEM FEE.
 

Students entering any year above the first pay a special *ad eundem* fee of .....

	\$10.00
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5. DIPLOMA OF PUBLIC HEALTH FEES.
 

The fee for the graduate course in Public Health, including laboratory and outdoor work, as well as student Health Service fee, is \$250.00, of which \$25.00 is to be deposited on acceptance of application.
6. DIPLOMA OF TROPICAL MEDICINE FEES.
 

The fee for the course leading to this diploma is \$50.00 if preceded by the D.P.H. course at McGill University or \$100.00 for those already holding the D.P.H.
7. CAUTION MONEY.
 

Payable by every student, and returned, less deductions for damage, loss, etc., at the end of the session .....

	\$10.00
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Commencing 1947, Caution Money Deposits will no longer be required but a non-refundable levy will be added to sessional fees .....

	\$1.00
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### STUDENT FEES

#### FEES FOR THE SUPPORT OF STUDENT ORGANIZATIONS.

Regular students (men) .....	\$12.00
Regular students (women) .....	10.00
Partial students .....	5.00

### DATES OF PAYMENT

Fees are due and payable at the Bursar's Office between the hours of 9 a.m. and 4 p.m. on the following dates:—



Tuesday, September 3rd, to Thursday, September 5th, inclusive, or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on February 1st. An additional \$2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration ailing which they become subject to the provisions of the above paragraph.

Immediately after the prescribed dates for the payment of fees the Bursar will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Bursar.

All fees are payable in Canadian currency.

Domicile will in general determine whether a student pays the British or Non-British fees. A student who is uncertain which rate he will be required to pay should consult the Registrar.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

#### MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine. Suitable microscopes may be secured through the University, either by outright purchase or on an annual rental basis. If the student desires at a later date to purchase the instrument which he has been using, the rental fees are credited to his account.

#### BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement (page 85 to 89).

#### HEALTH SERVICE

For details of the Health Service and Medical Examinations see the General Information Pamphlet included in this Announcement (page 83).

#### COURSES FOR THE DEGREE OF M.D., C.M.

The minimum period of professional training required by the University as a qualification for the independent practice of Medicine shall be five years, including



- a. four years of medical study in the University leading to the degree of M.D., C.M.; and
- b. one year of internship in an approved hospital.

## OR

one year of further medical study in the Faculty of Medicine of McGill University or at another medical school approved by it.

While the Faculty Administration exercises a general supervision of arrangements for internships, the Faculty of Medicine assumes no responsibility to provide an internship for any student.

A certificate that his medical education is completed and that he is eligible to sit for the examination of a licensing board shall not be issued to any graduate until the University is in possession of satisfactory evidence that he has completed the full requirements.

There are three sessions of thirty-six weeks each and one session (final session) of thirty-two weeks, all exclusive of examination periods. The sessions usually begin the first Tuesday after the first Monday in September (Labour Day) and continue until the first week of June in the first three years and to the first week in May in the final year.

The academic session is divided into four terms in the first and fourth session and into three terms in the second and third sessions. The minimal period of study for the degree of M.D., C.M., is, therefore, four sessions of study comprising one hundred and forty weeks exclusive of examination periods.

The arrangement of the principal subjects of instruction is usually as follows:

## FIRST SESSION:

Anatomy (including Histology and Embryology), Physiology, Biochemistry, Psychobiology and Medical Sociology, Introduction to Medicine.

## SECOND SESSION:

Pharmacology, General Pathology, Bacteriology and Immunology, Parasitology, Laboratory Diagnosis, Medicine, Surgery, Obstetrics, Health and Social Medicine, Psychiatry.

## THIRD SESSION:

Special Pathology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynæcology, Pædiatrics, Psychiatry, Therapeutics, Ophthalmology, Oto-laryngology, Medical Jurisprudence, Radiology, Anaesthesia.



## FOURTH SESSION:

Medicine,\* Surgery,\* Obstetrics and Gynæcology, Psychiatry, Pædiatrics, Ophthalmology, Otolaryngology, Radiology, Neurology and Neuro-Surgery.

\*In these subjects are included the following:—

*Medicine*—Dermatology, Clinical Therapeutics.

*Surgery*—Orthopædics, Urological Surgery, Anaesthesia.

## EXAMINATIONS

The examinations taken within the Medical Faculty are divided into two groups, namely, major examinations and minor examinations. Major examinations are the final examinations in Anatomy (Embryology) Histology, Physiology, Biochemistry, Pharmacology, Bacteriology and Immunology, Pathology, Health and Social Medicine, Pædiatrics, Medicine, Surgery, Obstetrics and Gynæcology, Psychiatry.

Minor examinations include the final examinations in Parasitology, Laboratory Diagnosis, Medical Jurisprudence, Therapeutics, Ophthalmology, Otolaryngology, Radiology and examinations preliminary to the final major examinations.

A student who fails in any major examination will be required before he sits a supplemental examination to present to the Dean's office from the senior professor of the Department concerned a certificate that the student has taken sufficient extra tuition as would indicate that he has reviewed the subject and is a suitable candidate for the supplemental examination.

There is a strict difference between the importance of a major and a minor examination. If a student fails in the supplemental of a major examination, there are definite restrictions as hereinafter set forth, while failure in the supplemental of a minor examination permits the student to carry conditions as are hereinafter laid down.

A student who fails in the supplemental of one (or two) minor examination may proceed with other subjects in the following year, carrying such subject as a condition, but may not sit any subsequent major examinations until such conditions have been removed, nor may more than two conditions be carried at one time.

All conditions must be removed by the end of the first term (November) in each session when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year and to repeat the courses of the Winter and Spring terms.

A student who fails in the supplementals of three or more minor examinations in any one session must repeat this session or may be asked



to retire, as may be decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A failure in the supplemental of a major examination will require the student to repeat the course (repeat the year), and no student may repeat such a course more than once. Any student who fails in the supplementals of two major examinations in any one year shall be required to retire without the privilege of further supplementals.

A student is not allowed supplementals in three major examinations in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student is not allowed supplementals in two major and one minor examination in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A student in the final year may take a supplemental examination in one subject only at the end of the following September, but must present a certificate from the senior professor of the Department concerned that he has taken at least three months' extra tuition in this subject in one of the teaching hospitals of McGill Faculty of Medicine. If he should fail in this supplemental examination, he must repeat the year of study and pass all the major examinations at the completion of the session.

A student in the final year who fails in two subjects will not be permitted supplementals but must repeat the year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student will not be allowed to repeat a year more than once nor may he repeat a subsequent year if such repetition has been due to failure in examinations, except on special recommendation of the Promotion Committee, acting upon the motion of the representatives on the committee of the department concerned.

A student who has been permitted to repeat his year shall be required to make a C+ grade, which for this purpose is considered to be 65%, or he will not be permitted to continue his course.

A schedule of the times of major and minor examinations shall be published as a supplement to these ordinances at the beginning of each academic session.

Examinations, tests, reviews, etc., may be held during the session by any department in its time of instruction, provided that no more than



twenty-four (24) hours' notice is given. It is understood that such examinations, tests or reviews are conducted for the benefit of the student in order that he may have experience in the requirements of the sessional examinations, and further, that he and his teachers may know how he is progressing in his studies.

There shall be two Promotion Committees. The First Committee shall consist of representatives of the subjects of Anatomy, Biochemistry, Histology, Physiology, Pharmacology, Bacteriology, Parasitology, Pathology, and Endocrinology, appointed by the Dean, and the Dean and Secretary *ex officio*. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the first and second years. The second Committee shall consist of representatives of the Departments of Pathology, Bacteriology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynæcology and Pædiatrics, appointed by the Dean, and the Dean and Secretary *ex officio*. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the third and fourth years.

All results of examinations will be given out by the Dean's office, after they have been passed upon by the Promotion Committee. It is an absolute rule that no examination results shall be communicated by any other channel.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.

### C. GRADING

At the conclusion of each course, students are graded in five groups as follows:—

A=Excellent

B=Good

C=Fair

D=Doubtful

E=Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

The grade assigned to a student is based upon the results of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.



# FELLOWSHIPS, SCHOLARSHIPS, BURSARIES, MEDALS, PRIZES, AND LOAN FUNDS

Details of fellowships, scholarships, bursaries, medals, and prizes open to undergraduate and graduate students in Medicine, and of the University Loan Fund may be found in the Scholarships Announcement.

## REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.

2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University. (See page 610).

3. No one is permitted to become a candidate for the degree who has not attended at least one full session at this University.

4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.

5. He must have attended during at least three sessions of nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.

6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.

7 Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

## REQUIREMENTS FOR LICENCE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before *beginning* the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained. This has been changed to four years as a war-time measure.



N.B.—In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC—Dr. J. Paquin, 1896 Dorchester St. West, Montreal.

ONTARIO—Dr. Robert T. Noble, 566 University Ave. Toronto, Ont.

NEW BRUNSWICK—Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

NOVA SCOTIA—Dr. H. L. Scammell, 196 Atlantic St., Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. H. D. Johnson, Charlottetown, P.E.I.

MANITOBA—Dr. W. G. Campbell, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. W. Bramley Moore, 504 Southam Bldg., Calgary, Alta.

SASKATCHEWAN—Dr. A. W. Argue, 307 Birks Bldg., Saskatoon, Sask.

BRITISH COLUMBIA—Dr. A. J. MacLachlan, 203 Medical-Dental Building, Vancouver, B.C.

The Registrar for Newfoundland is Dr. C. Macpherson, P.O. Box 5121, St. John's, Nfld.

#### DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.

#### GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION OF GREAT BRITAIN

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.



## COURSES OF INSTRUCTION ANATOMY

*Robert Reford Professor and*

*Chairman of the Department* . . . . . C. P. MARTIN

*Associate Professor of Histology* . . . . . C. P. LEBLOND

*Assistant Professors of Anatomy* . . . . .  $\left\{ \begin{array}{l} \text{D. S. FORSTER} \\ \text{S. M. FRIEDMAN} \end{array} \right.$

*Lecturer in Anatomy* . . . . . E. WALTER WORKMAN

*Sessional Lecturer in Anatomy* . . . . . R. M. H. POWER

*Teaching Fellows* . . . . .  $\left\{ \begin{array}{l} \text{S. M. BANFILL} \\ \text{J. GROSS} \\ \text{OCTAVIA HALL} \end{array} \right.$

*Demonstrator in Histology* . . . . . CONSTANCE FRIEDMAN

### REQUIRED COURSES

#### 1 GROSS ANATOMY.

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms of the First Medical Year.

#### 2. APPLIED ANATOMY.

One hour per week lecture and demonstration during the Winter and Spring terms of the Third Medical Year. This course is conducted mainly by clinicians from the Royal Victoria and Montreal General Hospitals.

(Suspended for duration of the war.)

*Text-books:*—Gray's "Anatomy" (English Edition) or Cunningham's "Text-Book of Anatomy."

*Practical Manuals:*—Cunningham's "Manual of Practical Anatomy;" Johnston's "Synopsis of Regional Anatomy."

*Optional Texts:*—Quain, Piersal, Spalteholz Atlas, Fraser's "Anatomy of the Human Skeleton," Buchanan, Fraser and Robbins, Larsell, Ramson.

### ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

#### 3. ADVANCED NEURO-ANATOMY.

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton, assisted by Dr. Kershman. The class is limited to ten. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

#### 4. PHYSICAL ANTHROPOLOGY.

Lectures and practical courses will be arranged for students when required.



## MICROSCOPIC ANATOMY

## REQUIRED COURSE

## 5. HISTOLOGY.

The study of the histological structure of the body. Two hours lectures and six hours laboratory work per week during the first 28 weeks of the First Medical Year.

*Text-book*:—Bailey, "Text-Book of Histology."

*Optional Texts*:—Cowdry, Lewis, and Bremer, Jordan, Maximow and Bloom (Schafer).

## ELECTIVE COURSE

## 6. EXPERIMENTAL MORPHOLOGY.

Bi-weekly seminar. In this course current problems and discoveries in Experimental Morphology are discussed by members of the staff and graduate students.

## EMBRYOLOGY

## REQUIRED COURSE

## THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY.

One hour per week lecture and three hours per week laboratory work during second half of the First Medical Year.

*Text-book*:—Arey, "Developmental Anatomy."

*Optional Texts*:—Jordan, Simkins, Bailey and Millar, Keith, Fraser.

## PHYSIOLOGY

*Joseph Morley Drake Professor and*

*Chairman of the Department* . . . . . H. E. HOFF

*Research Professor* . . . . . { B. P. BABKIN (Post  
Retirement)

*Associate Professor* . . . . . N. GIBLIN

*Assistant Professors* . . . . . { S. DWORKIN  
RONALD GRANT

*Lecturer* . . . . . KATHLEEN TERROUX

RHODA GRANT

ARMINE ALLEY

STEWART R. COOPER

*Demonstrators* . . . . . { HUGH STANSFIELD

N. B. G. TAYLOR

R. F. TAYLOR

PETER KELLAWAY

## REQUIRED COURSES

## 1. FIRST YEAR LECTURES.

Tuesday, Thursday, Saturday, at 9 a.m. (beginning in October).

## 1P. FIRST YEAR LABORATORY.

Three hours a week during last 32 weeks.

*Text-books*:—

Systematic Physiology—Human.

Howell, Textbook of Physiology; Starling (and Evans), Human

Physiology; MacLeod (and Bard), Physiology in Modern Medicine.



## Clinical Physiology.

Samson Wright, Applied Physiology; Wiggers, Physiology in Health and Disease: Best and Taylor, Physiological Basis of Medical Practice.

## OTHER COURSES

(Available only for students who have obtained Honours in the Required Courses, and by application to the Chairman of the Department.)

## 3. ADVANCED LECTURES.

## 3P. ADVANCED LABORATORY

## BIOCHEMISTRY

<i>Professor and Chairman of the</i>	
<i>Department</i> . . . . .	D. L. THOMSON
<i>Associate Professors</i> . . . . .	{ R. D. H. HEARD
	{ O. F. DENSTEDT
<i>Assistant Professor</i> . . . . .	K. A. C. ELLIOTT
<i>Sessional Lecturer</i> . . . . .	
<i>Research Associates</i> . . . . .	{ DOROTHY OSBORNE
	{ H. E. WOODWARD

## COURSES OFFERED IN BIOCHEMISTRY

## FIRST YEAR.

*Biochemistry I.* Mon., Wed., Fri., at 9 a.m. (beginning in October).

*IL. Laboratory:* Six hours a week October to February.

Drs. Thomson and Heard.

*Text-books:*—Bodansky, "Introduction to Physiological Chemistry" (Wiley); Cameron, "Text-book of Biochemistry" (Macmillan); Williams, "Text-book of Biochemistry" (van Nostrand); Schmidt and Allen, "Fundamentals of Biochemistry" (McGraw-Hill).

Other courses offered by the Department are listed in the Announcements of the Faculties of Arts and Science, and of Graduate Studies and Research.

## PATHOLOGY

<i>Strathcona Professor and Chairman</i>	
<i>of the Department</i> . . . . .	G. LYMAN DUFF
<i>Associate Professor</i> . . . . .	THEO. R. WAUGH
<i>Assistant Professors</i> . . . . .	{ JOHN D. HAMILTON
	{ J. E. PRITCHARD
	{ D. C. WILSON
<i>Lecturers</i> . . . . .	{ W. H. MATHEWS
	{ F. W. WIGLESWORTH
	{ W. E. TORESON
<i>Demonstrators</i> . . . . .	{ DOUGLAS WAUGH
	{ ELEANOR MACKENZIE
<i>Sessional Demonstrators</i> . . . . .	{ M. A. SIMON
	{ W. E. FINKELSTEIN
<i>Fellows</i> . . . . .	{ G. F. KIPKIE
	{ R. C. ROSS



## REQUIRED COURSES

1. COURSE IN GENERAL PATHOLOGY (Second Year).
  - A. Two lectures per week (with epidiascopic and microscopic demonstrations) during the Winter and Spring terms (52 lectures).  
Professor Duff.
  - B. Two practical laboratory classes per week during the Spring Term (80 hours practical work).  
Professor Hamilton and Demonstrators.
2. COURSE IN SPECIAL PATHOLOGY (Third Year).
  - A. Two lectures per week during the Autumn, Winter and Spring Terms (72 lectures).  
Professor Duff, Professor Waugh, Professor Hamilton and Lecturers.
  - B. Two practical laboratory classes per week during the Winter and Spring Terms (96 hours practical work).  
Professor Duff and Staff.
  - C. One demonstration of gross pathological material per week to students in small groups of 15 each, during Autumn, Winter and Spring Terms (36 hours).  
Lecturers and Demonstrators.
3. COURSE IN APPLIED PATHOLOGY (Third and Fourth Years.)
  - A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter and Spring Terms (54 hours). . . . . Professor Duff.
  - B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter and Spring Terms. Time according to material.  
Pathological Institute. . . . . Professor Duff and Dr. Wilson.  
Montreal General Hospital. . . . Dr. Pritchard and Dr. Mathews.  
Children's Memorial Hospital. Dr. Wigglesworth and Dr. Eleanor MacKenzie.

*Text-books:*—MacCallum, A Text-Book of Pathology (Saunders); Karsner, Human Pathology (Lippincott); Boyd, Text-Book of Pathology (Lea & Febiger); Muir, Text-Book of Pathology (Arnold); Moore, Text-Book of Pathology (Saunders);

## REFERENCE BOOKS.

*General:*—Bell, Text-Book of Pathology (Macmillan); Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Forbus, Reaction to Injury (Williams & Wilkins); Reimann,



Kaufmann's Pathology (Blakiston); Smith & Gault, Essentials of Pathology (Appleton Century); Ewing, Neoplastic Diseases (Saunders); Willis, The Spread of Tumours in the Human Body (Churchill);

*Special*:—Naegeli, Blutkrankheiten und Blutdiagnostik, (Julius Springer); Whitby & Britton, Disorders of the Blood (Churchill);

Biggart, Pathology of the Nervous System (Livingstone);

Buzzard and Greenfield, Pathology of the Nervous System (Churchill); Freeman, Neuropathology (Saunders);

Novak, Gynæcological & Obstetrical Pathology (Saunders);

Geschikter & Copeland, Tumours of Bone (American Journal of Cancer);

Farber, The Post Mortem Examination (Charles Thomas);

Mallory, Pathological Technique (Saunders); Saphir, Autopsy Diagnosis and Technique (Hoeber);

## BACTERIOLOGY AND IMMUNOLOGY

*Professor and Chairman* . . . . . E. G. D. MURRAY

*Professor* . . . . . FREDERICK SMITH

*Assistant Professors* . . . . . { C. D. KELLY  
D. S. FLEMING  
G. G. KALZ  
J. W. STEVENSON

*Lecturers* . . . . . { J. DE VRIES  
G. D. DENTON  
D. S. NUNES

*Demonstrator*

(Teaching Fellow) . . . . .

*Research Associate* . . . . . CATHERINE MACPHERSON

## COURSES

All lectures and laboratory courses are given in the Department of Bacteriology (Pathological Institute).

### COURSE 1. ELEMENTARY MEDICAL BACTERIOLOGY AND IMMUNOLOGY.

30 Lectures and 63 hours practical work commencing September, 1st Medical Term 2nd Year.

Available to Medical students on the satisfactory completion of their studies in Anatomy, Physiology, Histology and Biochemistry.

### COURSE 2. APPLIED MEDICAL BACTERIOLOGY AND IMMUNOLOGY AND THE PROCESSES OF INFECTIOUS DISEASES.

20 Lectures and 40 hours of demonstrations commencing November 15th, 2nd Medical Term 2nd Year.



COURSE 3. BACTERIOLOGY AND IMMUNOLOGY for Honours B.Sc. Degree.

The class is limited in size and priority is given to Honours students in their fourth year. Partial students in the Faculty of Arts and Science and in the Faculty of Graduate Studies are admitted only if they have suitable qualifications and if there are vacancies.

77 Lectures and 308 hours practical work with 50 hours discussion periods throughout the year (3 full courses). Biochemistry 5 (Lectures only) is compulsory. One other course is to be selected by the students.

Students must provide themselves with microscopes; these can be hired from the Purchasing Department.

COURSE 4. ELEMENTARY BACTERIOLOGY. One full course (Old Course 1S).

43 Lectures and 81 hours of practical work.

Available to the students of the Faculty of Arts and Science and to Graduate Students.

Students must provide themselves with microscopes; these can be hired from the Purchasing Department.

COURSE 5. DENTAL BACTERIOLOGY AND IMMUNOLOGY.

30 Lectures and 60 hours practical work. Time to be arranged with the Dental Faculty.

Available to Dental students in their second year.

COURSE 6. BACTERIOLOGY AND IMMUNOLOGY for the M.Sc. Degree.

Not available 1946-47.

COURSE 7. APPLIED PUBLIC HEALTH BACTERIOLOGY AND IMMUNOLOGY.

Available to Medical students in their second and third years in association with the Department of Health and Social Medicine.

COURSE 8. APPLIED BACTERIOLOGY FOR GRADUATE NURSES.  
(CERTIFICATE COURSE).

22 Lectures and 19 hours practical work. Available only to students in the School of Graduate Nurses commencing October to December in the First Term.

COURSE 9. PUBLIC HEALTH BACTERIOLOGY AND IMMUNOLOGY.

Available to Post Graduate students for the Diploma or Master's Degree in Public Health. In association with the Department of Health and Social Medicine.



COURSE 10. SEMINARS ON APPLIED BACTERIOLOGY IN RELATION TO PARTICULAR NURSING PROBLEMS (DEGREE COURSE).

14 periods of 2 hours commencing January for 14 weeks in the second Term. Available only to nurses taking the Degree Course and on the successful completion of Course 8. Limited to 20 students.

*Text-books*.—Hans Zinsser and G. Bayne-Jones, *Textbook of Bacteriology* (Appleton); R. Muir and J. Ritchie, *Manual of Bacteriology* (Oxford University Press); R. T. Hewlett and James McIntosh, *Manual of Bacteriology* (Churchill); T. J. Mackie and J. E. McCartney, *Practical Bacteriology* (Livingstone); J. W. Bigger, *Handbook of Bacteriology* (Bailliere Tindall & Cox); Hans Zinsser, *Resistance to Infectious Diseases* (Macmillan); W. W. C. Topley and G. S. Wilson, *The Principles of Bacteriology and Immunity* (Edward Arnold & Co.); W. W. C. Topley, *An Outline of Immunity* (Arnold); M. Langeron, *Precis de Microscopie* (Masson & Cie); D. H. Bergey, *Manual of Determinative Bacteriology* (Williams & Wilkins); E. O. Jordan and W. Burrows, *Text-Book of Bacteriology* (Saunders); Frederick P. Gay, *Agents of Disease and Host Resistance* (C. C. Thomas); N. P. Sherwood, "Immunology" (Mosby Co.); H. Zinsser, J. F. Enders, L. D. Fothergill, "Immunity Principles and Application in Medicine and Public Health" (Macmillan Co.); R. W. Fairbrother, *A Text-book of Medical Bacteriology* (W. Heineman, Ltd.); R. J. Dubos, "The Bacterial Cell" (Harvard University Press); K. Landsteiner, "The Specificity of Serological Reactions" (Harvard University Press); F. M. Burnet, "Virus as Organism" (Harvard University Press).

PARASITOLOGY

*Professor and Chairman of the*  
*Department* . . . . . T. W. M. CAMERON  
*Assistant Professor* . . . . . M. J. MILLER  
*Lecturer* . . . . . E. MUNROE.

REQUIRED COURSES

SECOND YEAR.

2A. HUMAN PARASITOLOGY.—This course on the animal parasites of man (protozoa, helminths and arthropods) comprises about 50 hours of instruction. Special attention is given to parasites found in North America, their diagnosis, bionomics and pathogenesis as well as to the more important animal vectors of disease. Exotic forms are more briefly discussed. In the practical class, each student examines all the important species as well as the lesions caused by them.



First term—Two lectures and one laboratory period per week.  
 ELECTIVE COURSES.—The Department not only provides facilities for advanced research work at the Institute of Parasitology, but offers didactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research).

*Text-book*:—Cameron, T. W. M., "The Parasites of Man in Temperate Climates" (3rd edition).

### HEALTH AND SOCIAL MEDICINE†

<i>Strathcona Professor and Chairman of the Department</i>	R. P. VIVIAN
<i>Assistant Professor and Senior Health Officer</i>	C. W. MACMILLAN
<i>*Assistant Professor</i>	F. C. PEDLEY
<i>Assistant Professor— Epidemiologist</i>	D. S. FLEMING
<i>Assistant Professor and Lecturer in Tropical Medicine</i>	D. C. BEWS
<i>Lecturers</i>	{ R. VANCE WARD BARUCH SILVERMAN
<i>Lecturer, Medical Jurisprudence and Toxicology</i>	I. M. RABINOWITCH
<i>Lecturer</i>	W. H. CRUICKSHANK
<i>Lecturer—Bacteriology</i>	J. H. STEVENSON
<i>Statistical Assistant</i>	AGNES M. FERENCZ
<i>Assistant in Nutrition</i>	OLIVE M. LIONEL

The instruction in Health and Social Medicine given to the medical undergraduates is designed to meet the requirements of the practitioner in Medicine. The importance of the subject is kept before the student throughout his course. Particularly stressed are the needs and opportunities in preventive medicine, and its social implications.

It is the aim of the Department to correlate the teaching of preventive medicine with the teaching of other departments in their special fields.

In First Year, Medical Sociology is the main subject. This leads to a presentation of the historical and contemporary background, and of the development of the public health system; the various plans for medical care are discussed.

\*On leave of absence.



The Second Year curriculum comprises didactic lectures and laboratory periods in Sanitation, Water, Milk and Food Control, Nutrition, Statistics, and the Control of Communicable Diseases.

In Third Year, the hygienes are introduced, and students see the practical application of the lectures by means of field trips to tuberculosis and venereal disease clinics, industrial plants, pre-natal, infant and school hygiene services, the care of the aged, and the operation of the Student Health Service. In Third Year also are given lectures in Medical Jurisprudence and Industrial Toxicology.

In Fourth Year, it is hoped to maintain still closer contact with the students through small seminar groups, special studies, etc.

*References:*—Smillie, Mustard, Rosenau, Bradford-Hill.

### PHARMACOLOGY AND THERAPEUTICS

<i>Professor and Chairman of the</i>	
<i>Department</i> . . . . .	R. L. STEHLE
<i>Associate Professor of</i>	
<i>Therapeutics</i> . . . . .	D. S. LEWIS
<i>Associate Professor of</i>	
<i>Pharmacology</i> . . . . .	K. I. MELVILLE
<i>Assistant Professor of</i>	
<i>Pharmacology</i> . . . . .	A. M. FRASER
<i>Lecturer in Therapeutics</i> . . . . .	W. DE M. SCRIVER

### PHARMACOLOGY

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

#### REQUIRED COURSES

- 1A. PHARMACOLOGY. The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Three lectures a week during the Winter Term supplemented by one conference and one demonstration a week. Second Year.

The conference groups are limited to four students each.

Professors Stehle, Melville and Fraser.

- 1B. PHARMACOLOGICAL LABORATORY. The experiments are chosen to illustrate the lecture course.

Two periods (six hours) a week during the Winter Term. Second Year.

Professors Stehle, Melville and Fraser.



## THERAPEUTICS

The teaching of therapeutics will be closely linked with that of medicine.

## REQUIRED COURSES

2. PHARMACY AND PRESCRIPTION WRITING. Five lectures and five laboratory periods. Dr. Scriver.
- 3A. THERAPEUTICS: Didactic Instruction. A series of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.
- 3B. THERAPEUTICS: Theatre Lectures. Fifteen clinical lectures to be given in the hospitals during the year in conjunction with the teaching of the Department of Medicine. Dr. Lewis and Associates.

*Text-books in Pharmacology.* Cushny, Sollmann, Clark, Thienes.  
*Text books in Therapeutics.* Beckman, Lyon, Reiman, Goodman and Gilman.

## OPTIONS

Suitably prepared students may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

## MEDICINE

*Professor and Chairman*

*of the Department* . . . . . JONATHAN C. MEAKINS

*Professor* . . . . . L. C. MONTGOMERY

*Associate Professors* . . . . . { G. R. BROW, J. S. L. BROWNE, E. H. MASON,  
 E. S. MILLS, I. M. RABINOWITCH

*Assistant Professors* . . . . . { C. C. BIRCHARD, K. A. EVELYN,  
 NEIL FEENEY, C. W. FULLERTON,  
 J. KEITH GORDON, A. T. HENDERSON,  
 J. KAUFMANN, D. S. LEWIS,  
 H. S. MITCHELL, J. H. PALMER  
 W. DE M. SCRIVER, C. G. SUTHERLAND,  
 C. T. TIDMARSH

*Lecturers* . . . . . { L. T. ADAMS, MICHAEL ARONOVITCH,  
 C. S. BARKER, R. C. BENNETTS,  
 C. H. BENSLEY, J. O. W. BRABANDER,  
 H. E. BURKE, D. T. CHAMBERLIN,  
 G. A. COPPING, A. F. FOWLER,  
 G. W. HALPENNY, W. H. D. HILL,



<i>Lecturers</i> . . . . .	(	J. G. HOWLETT, W. R. KENNEDY, LOUIS LOWENSTEIN, J. F. MEAKINS, D. L. MENDEL, J. F. MCINTOSH,
		BRAN ROSE
( <i>Contd.</i> )		H. N. SEGALL, A. T. THOM, S. R. TOWNSEND, R. VANCE WARD, H. P. WRIGHT.
<i>Demonstrators</i> . . . . .	(	D. BARZA, F. M. BOURNE, WM. COHEN, (Sess.) LAURA COLEMAN, H. I. CRAMER, B. R. CUDDIHY, W. W. EAKIN, (Sess.) VALERIE FRIEDMAN, ALEX. GORDON, GUY HAMEL,
		R. G. M. HARBERT, A. W. LAPIN, H. E. MACDERMOT, R. D. MCKENNA, W. G. McLELLAN, (Sess.) R. E. MITCHELL, S. ORTENBERG, (Sess.) J. G. PATTERSON, BASIL ROBERTSON, FRANCES SELYE, C. B. SMITH, G. E. WIGHT.

## DERMATOLOGY

<i>Clinical Professors</i> . . . . .	{	J. F. BURGESS L. P. EREAUX
<i>Lecturers</i> . . . . .	{	F. KALTZ D. S. MITCHELL B. USHER

## CLINICAL THERAPEUTICS

<i>Associate Professor</i> . . . . .	D. S. LEWIS
<i>Lecturers</i> . . . . .	{ C. W. FULLERTON
	{ W. DE M. SCRIVER
	{ GUY FISK ( <i>Physiotherapy</i> )
	{ NORMAN BROWN ( <i>Physiotherapy</i> )

## TOXICOLOGY AND MEDICAL JURISPRUDENCE

A series of twenty-four lectures and demonstrations.

Professor Rabinowitch.

TOXICOLOGY: 1. DEFINITIONS; 2. OCCURRENCE OF POISONING—Accidental. (Food. Industrial. Clothes and Cosmetics. Patent Medicines. Therapeutic. Other). Suicidal. Homicidal. 3. MODE OF ACTION OF POISONS: Modifying Causes—Form. Amount. Mode of Entry into



Body. Age. Habit. Sleep. Physical Condition of Subject. Idiosyncrasy. Other. 4. CLASSIFICATION OF POISONS. 5. ACUTE POISONING: Diagnosis—Similarity Between Poisoning and Disease. General Evidence of Poisoning. Rules for Diagnosis. TREATMENT: Principles. General Treatment. Antidotes—Limitations. 6. LEGAL: Control of Poisons—Dangerous Drugs Acts and Regulations. Relation of Doctor to Pharmacist. Administration of Noxious Drugs. Narcotics. 7. MEDICO-LEGAL CONSIDERATIONS IN CASES OF POISONING: Accident. Suicide. Murder. Duty of Doctor—In Suspected Cases. In Known Cases. Post-mortem examinations in Cases of Poisoning.

MEDICAL JURISPRUDENCE: A. 1. INTRODUCTION: Definitions—Law. Medicine. Forensic Medicine. 2. LEGAL POSITION OF DOCTORS. 3. OBLIGATION OF DOCTOR TO THE STATE: Medical Notifications and Certifications—Births. Stillbirths. Infectious Diseases. Deaths. Other. 4. RESPONSIBILITIES TO PATIENT: Implied and Expressed Contracts. Professional Secrecy. Privileged Communications. Medico-legal Aspects of Physical Examinations—Consent. 5. MALPRACTICE: Civil. Criminal. Negligence. Contributory Negligence. Errors of Commission. Consultations. Responsibility for Assistants. "Reasonable Care and Judgment". B. LEGAL CRIMINAL PROCEDURE: 1. INVESTIGATION OF SUDDEN DEATHS AND DEATHS FROM UNNATURAL CAUSES—Coroner's Court. 2. MEDICAL EVIDENCE IN COURTS OF LAW: *a.* Documentary. *b.* Oral. *c.* Experimental. 3. GENERAL RULES OF CONDUCT FOR MEDICAL WITNESSES: Professional Secrecy. Privileged Communications. Precognitions. Fees. C. MEDICO-LEGAL ASPECTS OF DEATH: 1. Signs of Death. 2. Apparent Death. 3. Proximate Causes of Death. 4. Sudden Death. 5. Presumption of Death—Presumption of Survivorship. 6. Medico-Legal Forms of Death. 7. Post-Mortem Examinations for Medico-Legal Purposes. 8. Identification of the Dead. D. PERSONAL IDENTITY IN ITS MEDICO-LEGAL BEARINGS: For Civil Purposes. For Criminal Purposes. Mistaken Identity. E. BLOOD STAINS: Medico-legal information from Blood Stains. Blood Grouping. F. WOUNDS: 1. Legal Definition. 2. Types. 3. Medico-legal Examination of a Wounded Person. 4. Causes of Death from Wounds. 5. Wounds after Death. G. MEDICO-LEGAL ASPECTS OF PREGNANCY: H. ABORTION: Duty of Doctor in Cases of Suspected Criminal Abortion and in Cases of Known Criminal Abortion. I. IMPOTENCE AND STERILITY. J. RAPE. K. INFANTICIDE. L. MENTAL UNSOUNDNESS: Medical Certification of the Insane. Protection of Certifying Physicians. Admission of Voluntary Patients to Institutions for the Insane. M. DRUNKENNESS: 1. Dianosis: Clinical. Chemical. 2. Medico-legal Aspects—Civil. Criminal.

*Text and Reference Books:*—Buchanan's Text Book of Forensic Medicine and Toxicology. Medical Jurisprudence and Toxicology—Glaister. Forensic Medicine—Kerr. Forensic Medicine—Littlejohn. Legal Medicine and Toxicology—Gonzales, Vance and Helpern. Toxicology—



McNally. Forensic Medicine—Sydney Smith. Recent Advances in Forensic Medicine—Sydney Smith and Glaister. Taylor's Principles and Practice of Medical Jurisprudence.

## THE CURRICULUM

### FOREWORD:

The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students, teachers and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The University lectures and clinical lectures are open to students of all years. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

### REQUIRED COURSES.

#### SECOND YEAR

Course II 1—*Integration of Physiology, Biochemistry and Anatomy with Medicine.*

Time—Last term of Second Year—Two lectures a week and one amphitheatre clinic.

Place—Medical Building. Montreal Neurological Institute Theatre.

*Subject Material*—This course covers in a systematic manner the deviations from the normal of the physiological and biochemical functions. These are correlated so as to explain symptoms and signs which may be found on physical examination as detected by clinical methods dealt with in Course II 2. This course follows a chronological order from birth to old age and is so interpreted as to give the student a panoramic view of these disturbances with a proper perspective. Professors Meakins and Browne.



Course II 2—*A Practical Course in Clinical Methods.*

Time—Last term of Second Year.

Place—Outpatient Dept. of the Royal Victoria and the Montreal General Hospitals.

Subject—Practical instruction 4 hours a week on Normal and Abnormal Physical Signs and one amphitheatre clinic.

Course II 3—*Laboratory Diagnosis.*

Time—Last term of Second Year.

Place—Medical Building.

Subject—Instruction and practice 2 periods a week in microscopy as applied to clinical medicine.

Dr. McIntosh and Assistants.

Third Year

Course III 4—*Amphitheatre Clinics in General Medicine.*

Time—Twice weekly throughout year.

Place—Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.

Course III 5—*Bedside Clinics and Practical Demonstrations.*

Time—Twice weekly during the medical trimester.

Place—Wards of the Royal Victoria and the Montreal General Hospitals.

Course III 6—*Clinico-Pathological Conference*

Time—Weekly during the medical trimester.

Place—The Royal Victoria and the Montreal General Hospitals.

Course III 7—*Case Reporting.*

During the trimester in Medicine students will be assigned patients in the wards. They will be required to write case histories, make a general examination, note progress, and do such laboratory investigations as are within their scope and have access to all other Laboratory and X-Ray findings.

Course III 8—*A Practical Course in Diseases of Metabolism.*

Time—Weekly during the medical Trimester.

Place—Royal Victoria and the Montreal General Hospitals.

Subject—This course consists of weekly Ward Rounds in the two Hospitals.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting Medicine.



## Fourth Year

Course IV 9—*Amphitheatre Clinics in General Medicine.*

Time—Once a week throughout year.

Place—Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating more complicated cases as compared to the third year.

Course IV 10—*Bedside Clinics and Practical Demonstration.*

Time—Twice weekly during medical quarter.

Place—Wards of the Royal Victoria and the Montreal General Hospitals.

Course IV 11—*Clinico-Pathological Conference.*

Time—Once a week during medical quarter.

Place—Royal Victoria and the Montreal General Hospitals.

Course IV 12—*A systematic course of lectures designed to give a general survey of laboratory procedures and their interpretation.*Course IV 13—*Clinical Therapeutics—practical bedside instruction.*

Time—Once a week during the medical quarter.

Place—Royal Victoria and the Montreal General Hospitals

Course IV 14—*A Course of Lectures in Medicine.*

Time—One period a week throughout year.

Place—Medical Building.

Subject—Lectures in General Medicine to give a panorama of the subject.  
Professor Meakins and assistants.

Course IV 15—*A course of lectures in Dermatology.*

Time—One period a week throughout the year.

Place—Medical Building.

Subject—Lectures in Dermatology and Syphilology.

Course IV 16—*Dermatology and Syphilology—practical instruction.*

Time—Twice a week during one quarter.

Place—Montreal General and Royal Victoria Hospitals.

## Text and Reference Books

*Clinical Methods and Physical Diagnosis*:—Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Major, "Physical Diagnosis"; Murray, "Examination of the Patient"; Gradwohl, "Clinical Laboratory Methods and Diagnosis"; Hutchison and Hunter, "Clinical Methods"; Cabot & Adams, "Physical Diagnosis"; Department of Medicine, McGill University, "Guide to Medical Case Reporting".



*General Medicine*:—McLeod, "Physiology in Modern Medicine"; Best and Taylor, "Physiological Basis in Medical Practice"; Meakins, "Practice of Medicine"; Cecil, "Text Book of Medicine"; Davis, "Cyclopedia of Medicine"; White, "Heart Disease"; Norris and Landis, "Diseases of the Chest"; Eusterman and Balfour, "Stomach and Duodenum"; Hurst and Stuart, "Gastric and Duodenal Ulcer"; Joslin, "Diabetic Manual"; "Treatment of Diabetes Mellitus"; McLester, "Nutrition and Diet in Health and Disease"; Peters and Van Slyke, "Quantitative Clinical Chemistry"; Vol. 1, Interpretations; Kurzrok, "The Endocrines in Obstetrics and Gynæcology"; "Pharmacopœa of the Teaching Hospitals".

*Dermatology*:—Walker, "Introduction to Dermatology"; MacLeod, "Diseases of the Skin"; Sutton and Sutton, "Diseases of the Skin"; Ormsby, "Diseases of the Skin".

### PSYCHIATRY

<i>Professor and Chairman of the</i>	
<i>Department</i> . . . . .	D. EWEN CAMERON
<i>Clinical Professor</i> . . . . .	C. A. PORTEOUS
<i>Assistant Professors</i> . . . . .	{ R. B. MALMO M. PRADOS G. E. REED BARUCH SILVERMAN
<i>Lecturers</i> . . . . .	{ MILTON GRAY A. A. MACKEY KARL STERN T. E. DANCEY E. G. HINDS
<i>Demonstrators</i> . . . . .	{ LLOYD HISEY H. LEHMAN C. SKITCH
<i>Research Fellow</i> . . . . .	EDRITA FRIED

### FOREWORD

Instruction in human behaviour is given in all four years. Emphasis is placed upon the personality factor in all forms of illness. Consequently, teaching is carried on in close relation with other aspects of medicine. It is planned to take full advantage of the teaching facilities not only of the Institute but of the wards and out-patient departments of the Royal Victoria Hospital and of the Montreal General Hospital.

Special prominence is given to those psychological and personality situations which the student will meet after graduation in his day to day teaching. Instruction in military psychiatry and in child psychiatry is given in the final years.



## REQUIRED COURSES

1. **PSYCHOBIOLOGY**—A course of twelve lectures will be given in the first year. In this course, the various aspects of human behaviour will be stressed, with special reference to their relationship to medicine.  
Dr. Cameron.
2. **PSYCHIATRY**—Eighteen lectures on the basis behavioral disorders will be given. During the second year both those disorders which require hospitalization and those which can be dealt with on an ambulant basis will be considered.  
Dr. Reed and Assistants.
3. A course of eight lectures will be given on child psychiatry during the fourth year.  
Dr. Silverman.
4. Clinical demonstrations, out-patient instruction and ward rounds will be held during the fourth year. Certain of these will be devoted to early behavioral disturbances, psychosomatic and toxic states, and drug addictions.  
Drs. Cameron, Stern and MacKay.
5. Instruction will be given in adult out-patient psychiatry in the Psychiatric Outdoor Department in the Royal Victoria Hospital, and in child out-patient psychiatry at the Mental Hygiene Institute.  
Drs. Prados and Silverman.
6. Instruction in the care of long term cases, and institutional psychiatry, will be given at the Allan Memorial Institute and Verdun Protestant Hospital.  
Drs. Reed, Skitch and Lehman.

## PAEDIATRICS

<i>Professor</i> .....	R. R. STRUTHERS**
<i>Associate Professors</i> .....	{ A. GOLDBLOOM, <i>Chairman</i> S. GRAHAM ROSS
<i>Assistant Professor</i> .....	L. LINDSAY
<i>Lecturers</i> .....	{ H. L. BACAL A. K. GEDDES P. N. MACDERMOT ALAN ROSS JESSIE BOYD SCRIVER
<i>Demonstrators</i> .....	{ B. BENJAMIN R. L. DENTON S. I. DOUBILET J. H. O'NEILL F. SHIPPAM C. STEWART S. J. USHER E. M. WORDEN

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\*\*On Leave of Absence.



## REQUIRED COURSES

1. LECTURE COURSE: A series of lectures on pædiatrics, intended as an introduction to various aspects of Diseases of Children—Hygiene—Nutrition—Infections—Family Relationships—Infectious Diseases and Preventive Medicine.

Once a week during the Autumn, Winter, and Spring terms (as announced) at the Medical Building or at the Children's Memoria Hospital.  
Professor Goldbloom and Assistants.

2. DISEASES OF THE NEWBORN: Royal Victoria Maternity Pavilion.  
A weekly clinic-demonstration to groups of students of the Third Year during their Obstetrics Trimester.

Professors Goldbloom and Ross, Drs. Scriver and Worden.

3. CLINICAL PAEDIATRICS: During the final year the class is divided into groups, each group devoting five weeks to the study of the diseases of childhood, including: (a) General Pædiatrics—Children's Memorial Hospital. Daily bedside clinics by members of the department during the five week period spent by each student in attendance at the Children's Memorial Hospital—presentation of cases—discussion of case reports—ward rounds, staff rounds and out patients department.

Staff Members.

(b) Normal Infant Feeding, Care and Development and Preventive Pædiatrics. Immunization Procedures. Drs. Scriver, Usher, Benjamin. Child Welfare Association Clinics.

(c) *Infectious Diseases*: A series of demonstrations to groups of students on the common infectious diseases, is given at the Alexandra Hospital.  
Drs. Worden, C. Stewart.

*Text-books*: Holt and McIntosh, "Diseases of Infancy and Childhood"; Mitchell and Nelson "Diseases of Infants and Children"; Porter and Carter, "Management of the Sick Infant and Child"; Brown and Tisdall, "Common Procedures in Pædiatrics"; Smith, "Physiology of the New Born Infant"; Goldbloom, "Care of the Child".

*Reference Books*: Brenneman, "Practice of Pædiatrics" (4 volumes); Parsons and Barling, "Diseases of Infancy and Childhood" (2 volumes); Langdon, "Home Guidance for Young Children"; Abt's "Pædiatrics" (8 volumes); Still, "Common Disorders and Diseases of Childhood"; John Thomson, "Clinical Study and Treatment of Sick Children"; Von Reuss, "Diseases of the New Born."



## DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

<i>Professor of Neurology and Neurosurgery, Chairman of Department</i> . . . . .	WILDER PENFIELD
<i>Associate Professor of Neurosurgery</i> . . .	WILLIAM CONE
<i>Clinical Professor of Neurology</i> . . . . .	F. H. MACKAY
<i>Assistant Professors of Neurology</i> . . .	{ K. A. C. ELLIOTT DONALD McEACHERN FRANCIS McNAUGHTON ARTHUR W. YOUNG
<i>Assistant Professor of Neurosurgery</i> . .	ARTHUR ELVIDGE
<i>Assistant Professor of Neurological Radiology</i> . . . . .	D. L. McRAE
<i>Assistant Professor of Neurophysiology</i> . . . . .	HERBERT JASPER
<i>Lecturer in Neurology</i> . . . . .	JOHN KERSHMAN
<i>Lecturer in Neurosurgery</i> . . . . .	T. B. RASMUSSEN
<i>Demonstrators in Neurology</i> . . . . .	{ A. A. BAILEY C. MILLER FISHER J. PRESTON ROBB
<i>Demonstrator in Neurosurgery</i> . . . . .	O. W. STEWART*
<i>Assistant Demonstrator in Neuropathology</i> . . . . .	W. K. WELCH
<i>Assistant Demonstrator in Neurosurgery</i> . . . . .	H. STEELMAN
<i>Research Fellows of the Montreal Neurological Institute</i> . . . . .	{ CHAO-JEN CHEN C. W. CURE JAN FORTUYN** JOHN HUNTER IRA JACKSON JEAN LECUIRE*** ALFRED POPE**** R. RABINOVITCH I. SCHIFFER

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\*On Military Service.

\*\*Rockefeller Fellow.

\*\*\*Travelling Fellow, French Government.

\*\*\*\*U.S. National Research Council Fellow.



## OUTLINE OF COURSES, 1946-47

## SECOND YEAR.

- 2A. *Clinical Neuroanatomy and Neurophysiology*. 4 lectures.  
Department of Medicine. Assistant Professor McNaughton.
- 2B. *Physical Examination of the Nervous System*. 2 theatre clinics.  
Department of Medicine. (1 at M.G.H., 1 at R.V.H.). Clinical  
Professor F. H. Mackay.

## THIRD YEAR.

- 3A. *Survey of Neurology and Neurosurgery*. 16 lectures.  
M.N.I. Amphitheatre. Professor Penfield and Assistant Professor  
McNaughton.

## FOURTH YEAR.

- 4A. *Neurological and Neurosurgical Clinics*. 20 theatre clinics.  
M.N.I. Amphitheatre. Professor Penfield and Assistant Professor  
McEachern.
- 4B-1. *Neurological O.P.D.* R.V.H. Outpatient Department. Monday  
and Thursday afternoons. Assistant Professor McEachern and  
assistants.
- 4C-1. *Neurology Ward Classes*. Dept. of Medicine. Wednesdays. M.N.I.  
(R.V.H. group). Assistant Professor McEachern.
- 4B-2. *Combined Neurological O.P.D. and Ward Classes*. M.G.H. Monday  
& Friday afternoons. (M.G.H. group). Clinical Professor F. H.  
MacKay and assistants.
- 4D-1. *Neurosurgery Ward Classes*. Dept. of Surgery. M.N.I. (R.V.H.  
group). Associate Professor Cone.
- 4D-2. *Neurosurgery Ward Classes*. Dept. of Surgery. M.N.I. (M.G.H.  
group). Assistant Professor Elvidge.
- 4E-1. *Neurology Seminar*. R.V.H. Outpatient Department. Tuesday  
afternoons. Assistant Professor McNaughton.
- 4E-2. *Neurology Seminar*. M.G.H. Outpatient Department. Friday  
afternoons. Assistant Professor McNaughton.

## ELECTIVE COURSES.

- I. *Clinics on Diseases of the Nervous System*. R.V.H. Outpatient  
amphitheatre. (If requested.) Tuesdays, 3-4 o'clock. Professor  
Penfield.
- II. *Contribution of the Basic Sciences to Neurology*. M.N.I. Tuesdays,  
5:30 p.m. Various members of the Department of Neurology and  
Neurosurgery, organized by Assistant Professor Jasper.



- III. *Seminar in Neuroanatomy.* An advanced course of lecture-demonstrations on the structure of the central nervous system. Neuroanatomy laboratory, 6th floor, M.N.I. Mondays, 8:15 p.m., November-January.

Construction of a model of the brain to scale will be undertaken with a smaller group (registration limited to 12). Time to be arranged. November-January. Assistant Professor McNaughton.

- IV. *Seminar in Neurophysiology.* A basic study of brain, cord, and muscle function as applied to clinical problems. Monday and Tuesday, 8:15 p.m., February-May, M.N.I. Assistant Professor Jasper.

## SURGERY

<i>Professor</i> .....	FRASER B. GURD
<i>Professor and Chairman of the Department</i> .....	G. GAVIN MILLER
<i>Associate Professors</i> .....	J. C. ARMOUR R. R. FITZGERALD J. G. W. JOHNSON, D. E. ROSS A. L. WILKIE D. W. MACKENZIE, Jr. C. A. MCINTOSH L. H. MCKIM
<i>Assistant Professors</i> .....	A. ROSS, A. J. STEWART H. L. DAWSON, H. M. ELDER MERCIER FAUTEUX J. C. LUKE, S. J. MARTIN H. A. BAXTER, P. G. ROWE E. A. MCNAUGHTON H. F. MOSELEY, C. N. GARDNER H. S. MORTON, S. G. BAXTER H. G. PRETTY, JOHN GERIE D. R. WEBSTER F. D. ACKMAN, A. R. BAZIN E. H. CAYFORD E. M. COOPER, W. M. COUPER H. S. DOLAN, M. KAUFMANN G. A. HOLLAND, G. D. LITTLE C. K. MCLEOD W. W. RUDDICK, J. C. SUTTON A. N. VINEBERG
<i>Lecturers</i> .....	
<i>Demonstrators</i> .....	



## ORTHOPAEDIC SURGERY

<i>Assistant Professor</i> . . . . .	N. T. WILLIAMSON
<i>Lecturers</i> . . . . .	{ J. G. PETRIE J. G. SHANNON
<i>Demonstrator</i> . . . . .	S. E. GOLDMAN

## UROLOGY

<i>Clinical Professors</i> . . . . .	{ R. E. POWELL E. S. SMITH
<i>Lecturers</i> . . . . .	{ A. B. HAWTHORNE R. G. REID M. I. SENG
<i>Demonstrators</i> . . . . .	{ S. A. MACDONALD J. T. MACLEAN MAX RATNER ALEX. STRASBERG A. M. J. TANNEY

## REQUIRED COURSES

## SECOND YEAR.

Surgical teaching begins in the spring term (16 weeks) of the Second Year. In this year special attention is directed to the instruction and training of the student, in proper methods of physical examination, from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

*Courses.*

- 2A. *A course of lectures* (16) covering the history of Surgery and an introduction to the study of surgical diseases. This course includes five lectures on "First Aid."
- 2B. *Group classes* in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

## THIRD YEAR.

The student comes into a more intimate contact with the patients, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, and assists at operations.



- \*3A. *Amphitheatre Clinics and Demonstrations* in the Montreal General and Royal Victoria Hospitals, two days a week throughout the year.
- 3B. *Group Ward classes* in the Montreal General and the Royal Victoria Hospitals, three times a week during the term.
- 3C. *Case Reporting*. Patients are allotted to students who act as reporters, dressers, and assistants at operations.

#### FOURTH YEAR.

##### Courses.

- \*4A. *Amphitheatre Clinics and Demonstrations* in the Montreal General and Royal Victoria Hospitals alternately, once a week throughout term.
- 4B. *Group Ward Classes and Ward rounds* in the Montreal General and Royal Victoria Hospitals, four times a week during the surgical quarter.
- 4C. *Case Reporting*
- 4D. *Clinico-Pathological conferences* once a week during the term, jointly with the Department of Pathology, at the Montreal General and Royal Victoria Hospitals.

SURGICAL DISEASES OF CHILDREN.—Instruction in the surgical diseases of children is given during the trimester in which the students are assigned to pædiatrics at the Children's Memorial Hospital, as follows:—

- 4A. *Amphitheatre Clinics* once a week throughout trimester.
- 4B. *Group Ward Classes* three times a week throughout trimester.

#### ORTHOPAEDIC SURGERY

##### FOURTH YEAR COURSES.

- 4A. *Clinical Lectures*. A course of 8 lectures given at the hospitals.
- 4B. *Ward Classes* at the Montreal General and Royal Victoria Hospitals, once a week during the surgical trimester.
- 4C. *Group Classes in the Out-door Department* of the Montreal General and Royal Victoria Hospitals, twice a week during the surgical trimester.

ANAESTHESIA.—Instruction in anaesthesia is given by the Department of Pharmacology and Clinical Therapeutics. Students are given practical instruction in the administration of anaesthetics, during their surgical trimesters in the Third and Fourth Years at the Montreal General and Royal Victoria Hospitals.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology and Bacteriology.

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\*Amphitheatre Clinics 3A and 4A are so arranged that all surgical subjects are presented during the two year course.



The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

## UROLOGY

## SECOND YEAR.

2A. *Clinical Urology*

Group classes, 4 demonstrations, in which instruction in methods of Urological examination is given in the Montreal General and Royal Victoria Hospitals.

(See Surgery—2B).

## FOURTH YEAR.

4A. *Clinical Lectures*—a course of theatre clinics in each of the hospitals.

4B. *Urological Clinics*—Ward Classes

The Montreal General Hospital—3 classes a week.

Royal Victoria Hospital—3 classes a week

4C. *Case Reporting in Urological Wards.*

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics and demonstrations and group teaching in the wards and out-patient departments of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

*Text-books:—*

1. *General Surgery*: John Homans, "A Text-book of Surgery"; Choyce, C. C., "A System of Surgery"; Gask and Wilson, "Surgery"; Hamilton Bailey, "Demonstrations of Physical Signs in Clinical Surgery"; Christopher; Cole and Elman; Romanis and Mitchener; Handfield, Jones and Porrett, "The Essentials of Modern Surgery"; Rose and Carless, "Manual of Surgery"; Berman's Synopsis of Principles of Surgery; Pack and Livingston's "Treatment of Carcinoma"; Christopher's "Minor Surgery".

2. *Emergency Surgery*: Sluss, John W., "Manual of Emergency Surgery"; Cole & Puestow, "Advanced First Aid".

3. *Surgical Anatomy*: McGregor, "Synopsis of Surgical Anatomy"; Treves, "Surgical Applied Anatomy".

4. *Fractures and Dislocations*: Scudder, Charles L., "Treatment of Fractures"; Wilson and Cochrane, "Fractures and Dislocations"; Magnuson's "Fractures"; Stimson's "Manual of Fractures and Dislocations"; Wilson's "Management of Fractures"; Key and Conwell's "Fractures and Dislocations"; Watson Jones "Fractures and other Bone and Joint Injuries"; Key and Conwell, "Fractures, Dislocations and Sprains".



5. *Case Reporting*: White, J. Renfrew, "The Clinical Examination of Surgical Cases"; Geckeler's "Fractures and Dislocations."

6. *Urology*: Eisendrath and Rolnick's "Urology"; Herman's "Practice of Urology"; Hinman's "Principles and Practice of Urology"; Keyes and Ferguson's "Urology"; Young's "Practice of Urology"; Le Comte's Manual of Urology.

7. *Orthopædic Surgery*: Whitman's "Orthopædic Surgery"; Jones, "Orthopædic Surgery of Injuries"; Jones and Lovett, "Orthopædic Surgery"; Mercer's "Orthopædic Surgery"; Willis Campbell's "Orthopædic Operations"; Sever's "Handbook of Operative Surgery"; Steindler's "Orthopædic Operations".

#### DEPARTMENT OF ANAESTHESIA

*Assistant Professor and Chairman* . . . . . WESLEY BOURNE

*Assistant Professors* . . . . . { M. D. LEIGH  
C. C. STEWART  
F. A. H. WILKINSON

*Lecturers* . . . . . { C. C. CARROLL  
R. S. FERGUSON  
H. R. GRIFFITH  
W. C. STOCKWELL

*Demonstrators* . . . . . { J. J. KELLY  
P. E. O'SHAUGHNESSY  
F. M. RICHARDSON  
A. M. TORRIE

#### UNDERGRADUATES.

Students in Medicine, before their third year will have been introduced to the subject of Anæsthesia by the teachers in Anatomy, Biochemistry, Pharmacology and Physiology.

During the Third Year, ten lectures are given. All of these lead on from the academic to the clinical aspect. In these lectures sound motion pictures are shown. As time goes on, reading matter is prescribed.

At the end of the third year students are required to be certified as having fulfilled the requirements of the department.

In the final year each undergraduate student spends at least six days with an anaesthetist and acts as his assistant.



## DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

<i>Associate Professor and Acting Chairman</i> .....	N. W. PHILPOTT
<i>Associate Professor</i> .....	A. D. CAMPBELL
<i>Assistant Professors</i> .....	{ W. A. G. BAULD J. S. HENRY G. C. MELHADO
<i>Lecturers</i> .....	{ W. R. FOOTE P. J. KEARNS K. T. MACFARLANE G. B. MAUGHAN I. Y. PATRICK ELEANOR PERCIVAL D. W. SPARLING CLIFFORD WARD (Sessional) GEORGE STREAN
<i>Demonstrators</i> .....	{ J. E. AYRE J. L. MACARTHUR
<i>Teaching Fellows</i> .....	{ SIMON GOLD GRACE DONNELLY

The entire course is arranged on the basis of imparting a practical knowledge of Obstetrics, Gynaecology and the Care of the New-born. The value of intimate contact with the patient in the normal and the pathological state is stressed.

The privilege of serving as an interne in the hospital for two weeks treating the patients from the time of admission till discharge from hospital is an ideal arrangement. Rooms are provided in the Women's Pavilion where the students may reside, in groups of six, during this period.

## OBSTETRICS

## REQUIRED COURSES

## SECOND YEAR.

Sixteen lectures are given as an introduction to the subject. These lectures are relative to the anatomy and physiology of the genital tract. The physiology of pregnancy is also described. Professor Philpott.

## THIRD YEAR.

1. Thirty-five Clinical Conferences for all Third Year students. Wednesday 12:45 to 1:45 p.m., illustrating the more important Obstetrical conditions. Professor Philpott.



2. Nineteen lectures describe the physiology of labor and the puerperium. The major pathological lesions relative to parturition are described.  
Senior Members of the Staff.
3. Thirty demonstrations are given in Obstetrical palpation and on the manikin, with the aid of models, diagrams, lantern slides and moving pictures.  
Given by Members of the Staff.
4. Clinical instruction for twelve periods in case-rooms and wards.  
Given by Members of the Staff.
5. Six lectures concerning early development of the embryo and the placenta.  
Given by Members of the Staff.
6. Ten lectures or demonstration periods relative to the care of the New-born.  
Professor Goldbloom and Professor Ross.

## FOURTH YEAR.

1. Thirty-five Clinical Conferences for all Fourth Year students, Wednesday, 12:45 to 1:45 p.m., illustrating the more important Obstetrical conditions.  
Professor Philpott.
2. General Ward Rounds held once a week are arranged to give a complete account of the work of the hospital. This is attended by those students in the current Obstetrical Course.  
Professor Philpott.
3. Thirty lecture demonstrations are held in the Lecture Theatre or Case Room on the following subjects:
 

Normal Labour . . . . .	Professor Philpott.
Dystocia . . . . .	Professor Melhado.
Hæmorrhage . . . . .	Professor Henry.
Puerperal Infection . . . . .	Professor Campbell.
Toxæmia of Pregnancy . . . . .	Dr. Patrick.
4. Fourteen instruction periods including conduct of pregnancy, labour and puerperium in Out-patient Department, Case-rooms and Wards.  
Given by Senior Members of the Staff.

## GYNAECOLOGY

1. Theatre clinics and bedside instruction in the Royal Victoria and Montreal General Hospitals. Professors Philpott, Campbell and Staff.
2. A special course on Gynæcological Pathology.  
Drs. P. J. Kearns and Gold.
3. Methods of Gynæcological examination, diagnosis and treatment in the outdoor departments.



4. A special course of instruction, once a week, through the year in the cancer clinic on methods of diagnosis and treatment of cancer, dealing especially with Radium and X-Ray.

Professor Bauld and Staff.

#### TEXT AND REFERENCE BOOKS

##### OBSTETRICS.

- |                      |  |
|----------------------|--|
| (1) De Lee-Greenhill | Principles and Practice of Obstetrics.     |
| (2) Stander          | Text book on Obstetrics.                   |
| (3) Bland            | Practice of Obstetrics.                    |
| (4) Miller, J.       | Manual of Obstetrics.                      |
| (5) Appleton         | Obstetrical and Gynaecological Monographs. |
| (6) Irving           | Text book on Obstetrics.                   |
| (7) Beck             | Obstetrical practice.                      |
| (8) Adair            | Obstetrics.                                |

##### GYNÆCOLOGY.

- |                       |  |
|-----------------------|--|
| (1) Curtis            | Text book of Gynæcology and System of Gynæcology and Obstetrics. |
| (2) Ten Teachers      | Diseases of Women.   |
| (3) Monroe Kerr       | Gynæcology.  |
| (4) Goodall           | Puerperal Infection.   |
| (5) Crossen           | Gynæcology.  |
| (6) Kennedy, Campbell | Vaginal Hysterectomy.  |
| (7) Novak             | Text book of Gynæcology.   |

#### OPHTHALMOLOGY

*Professor and Chairman of the*

*Department* . . . . . J. A. MacMILLAN

*Assistant Professor* . . . . . STUART RAMSEY

<i>Lecturers</i> . . . . .	{	K. B. JOHNSTON
		J. V. V. NICHOLLS
		J. ROSENBAUM (leave of absence)
		B. ALEXANDER
		R. J. VIGER

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses in the Third and Fourth Year of the Medical Course:—



## THIRD YEAR

## 1. ROUTINE EXAMINATION OF THE EYE.

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours . . . . . Professor MacMillan and members of the Staff.

## THIRD YEAR.

## 2. LECTURE DEMONSTRATIONS TO ENTIRE CLASS.

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the Final Year.

Ten hours . . . . . Professor MacMillan.

## FOURTH YEAR.

## CLINICAL OPHTHALMOLOGY.

This teaching is conducted in the Ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals. The class is divided into groups of ten, each group receiving twenty-five hours instruction. Ocular problems that are of greatest moment in general practice are discussed. This includes the external diseases of the eye, the main ophthalmological findings in systemic disorders, affections of the nervous system, and as far as possible a co-relation of the clinical and histological ocular changes.

Professor MacMillan and members of the Staff.

*Text-books:*—May, Gifford, Parsons, Berens.

*Reference books:*—Duke-Elder.

## OTO-LARYNGOLOGY

*Assistant Professor and Chairman*

*of the Department* . . . . . D. H. BALLON

*Assistant Professor* . . . . . G. E. HODGE

<i>Lecturers</i> . . . . .	{	W. J. McNALLY
		R. P. WRIGHT
		K. O. HUTCHISON
		G. E. TREMBLE
		A. O. FREEDMAN
<i>Demonstrators</i> . . . . .	{	E. E. SCHARFE
		E. A. STUART
		G. E. M. HILTON
		F. W. SHAVER



Instruction in Oto-Laryngology is given to students of the third and fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

#### THIRD YEAR:

A course of 10 demonstrations is given to students of the Third Year. These demonstrations deal with the normal anatomy of the ear, nose and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose and throat. Ward rounds are made to illustrate the pre- and post-operative methods of treatment.

#### LECTURE COURSE:

Ten practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the œsophagus.

#### FOURTH YEAR:

Ten clinical demonstrations are given in the out-patient departments and wards of the hospitals. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

*Text and Reference Books:*—Sir St. Clair Thomson: Diseases of the Nose and Throat; A. Logan Turner: Diseases of the Nose, Throat and Ear; Chevalier Jackson and G. M. Coates: The Nose, Throat and Ear and Their Diseases; Philip O. Kerrison: Diseases of the Ear; Chevalier Jackson: Bronchoscopy, Oesophagoscopy and Gastroscopy; D. H. Ballon: Chapters on Bronchoscopy and Oesophagoscopy in Surgical Diseases of the Chest by Evarts A. Graham, J. J. Singer, Harry C. Ballon.



## RADIOLOGY

<i>Associate Professor</i> .....	CARLETON B. PEIRCE
<i>Associate Professor and Chairman of the Department</i> .....	W. L. RITCHIE
<i>Assistant Professors</i> .....	{ J. J. L. BOUCHARD D. L. McRAE J. W. McKAY
<i>Demonstrator</i> .....	W. H. THORLEIFSON
<i>Fellow</i> .....	LI-LANG DSO

## FIRST YEAR.

In co-operation with the Department of Anatomy, demonstrations are given of the Roentgenologic anatomy of the skeletal, respiratory, gastrointestinal and urogenital systems, including fluoroscopic demonstrations of functional anatomy of joints, the thoracic viscera and the alimentary tract.

Associate Professor Peirce and Staff.

## SECOND YEAR.

## Introduction to Radiology:

In co-operation with the Department of Medicine (Course II 2) as an introduction to special methods in Physical Diagnosis, the various means of Radiologic examination are demonstrated to small groups of students in the Montreal General Hospital and the Royal Victoria Hospital. The fluoroscopic and roentgenographic methods of study of the cardio-respiratory and gastro-intestinal systems especially are compared with the clinical means in physical examination

Associate Professor Peirce and Staff.

Associate Professor Ritchie and Staff.

## THIRD YEAR

## III ROENTGEN PATHOLOGY AND RADIATION THERAPY:

A course of 20 lectures presenting the general features of roentgen interpretation, systemic roentgen pathology and the principles of roentgen and radium therapy.

Associate Professors Peirce and Ritchie.

Assistant Professors Bouchard, McRae and McKay.

## FOURTH YEAR.

## IV-A CLINICAL RADIOLOGY:

(1) A course of six lectures on special clinical applications of roentgen rays and radium radiation.

Associate Professors Peirce and Ritchie  
and Members of the Staff.



IV-A (2) Conference periods, two hours weekly each quarter during which the students in the several hospitals discuss clinical case material with the Members of the Department.

Children's Memorial Hospital—Asst. Professor McRae.

Montreal General Hospital—Assoc. Prof. Ritchie.  
Assist. Prof. McKay and Staff.

Royal Victoria Hospital—Assoc. Prof. Peirce,  
Assist. Prof. Bouchard and Staff.

IV-A (3) Tumour Conference: The final year students attend Tumour or Neoplasm Conferences in the several teaching hospitals, wherein all means of diagnosis and treatment of malignant neoplasms, especially, are considered by representatives of all departments of the teaching staffs, and their experience reviewed.

#### POST-GRADUATE INSTRUCTION.

Post-graduate training prerequisite to certification in the specialty by the Royal College of Physicians and Surgeons (Canada) or the American Board of Radiology is available in the teaching hospitals to selected graduates of approved Faculties or Schools of Medicine.

*Text and Reference Books:*—Roentgen Interpretation, Holmes and Ruggles; Text Book of Radiology, Shanks, Kerly and Twining; Diagnostic Radiology, Golden (et al); Head and Neck in Roentgen Diagnosis, Pancoast, Pendergrass and Schaeffer; Roentgenology, Kohler; Urological Roentgenology, Wesson and Ruggles; Clinical Roentgenology of the Cardiovascular system, Roessler; The Digestive Tract, Barclay; Theoretical Principles of Roentgen Therapy, Pohle; Clinical Roentgen Therapy, Pohle; Physical Foundations of Radiology, Glasser, Quimby, Taylor and Weatherwax.

#### RESEARCH INSTITUTE OF ENDOCRINOLOGY

<i>Director</i> . . . . .	J. B. COLLIP
<i>Associate Professor</i> . . . . .	ROBERT L. NOBLE
<i>Lecturers</i> . . . . .	{ A. H. NEUFELD C. GWENDOLINE TOBY
<i>Fellow</i> . . . . .	HECTOR MORTIMER

This Institute established in 1941 and housed in the West Wing of the Medical Building is devoted to research in the fundamentals of endocrinology. It is not an undergraduate teaching department, but is closely



associated with the Faculty of Graduate Studies and Research and the Faculty of Medicine and affords facilities for properly qualified graduates to work for the Ph.D. degree.

The Institute is under the Direction of Professor J. B. Collip, Gilman Cheney Research Professor of Endocrinology. Dr. Robert L. Noble is the senior assistant in the Physiological branches of the subject and Dr. A. H. Neufeld is the senior assistant in the biochemical branches.

A limited number of graduate students will be accepted. Entrance requirements are either the degree of Doctor of Medicine with high standing in the courses for that degree, or the M.Sc. degree in Physiology or Biochemistry or its equivalent in training in these subjects.

The minimum period in which a student with a B.Sc. or an M.D. degree can obtain a Ph.D. degree is three years. A student with an M.Sc. degree or its equivalent may qualify for the Ph.D. degree in a minimum of two years. It is not proposed to do any didactic teaching in the Institute, but candidates for a Ph.D. degree will be required to pass a comprehensive examination in the subject and to submit a thesis.

Inquiries concerning the Institute should be addressed to the Director.

## GRADUATE INSTRUCTION

1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.
2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is \$30.00 a term (10 weeks).

A Diploma of Public Health and a Diploma of Tropical Medicine are granted by McGill University.

Graduate teaching in Public Health has been suspended since 1943 due to war-time conditions. The new course has been designed to train graduates in medicine in the increasingly wider concept of public health service. This course is being conducted by the Department of Health and Social Medicine with the collaboration of other departments in the Faculty of Medicine and the assistance of members of other faculties in the University who have a special interest in this field. Practical instruction and application are made possible through the cooperation of the Department of Health of Montreal and voluntary health agencies.



The Department of Health and Social Medicine is housed in its new quarters at 490, Pine Avenue West, within easy access of the Medical Building. The building contains ample accommodation for lectures, seminars and demonstrations. In addition to the excellent facilities of the Library of the Faculty of Medicine, which are at the disposal of students, the Department has its own library and reading-room. The building is also the headquarters of the Student Health Service.

### DIPLOMA OF PUBLIC HEALTH

The course includes:

SOCIOLOGY, with special reference to the practice of Medicine;

STATISTICAL METHODS from the point of view of providing an understanding of the fundamental principles of statistics as they are applied to medical science for the critical analysis of surveys and reports; instruction is given in carrying on research involving statistical techniques;

VITAL STATISTICS, including Biometrics, stressing the importance of the accurate recording of essential data, observations and other findings, together with their practical significance and application;

EPIDEMIOLOGY as defined in its broadest sense, including communicable disease control and the assessment of morbidity in non-communicable diseases;

PUBLIC HEALTH LAW and its administration;

HYGIENE OF THE ENVIRONMENT, including Sanitation, Housing and Nutrition; Physiological Hygiene;

INDUSTRIAL TOXICOLOGY AND INDUSTRIAL HYGIENE;

HYGIENES (Physical and Mental): Maternal, Infant, Pre-School, School and Adult;

BACTERIOLOGY, PARASITOLOGY AND IMMUNOLOGY, as related to public health practice;

SOCIAL AND ECONOMIC FACTORS in Health; programs designed to deal with them;

PUBLIC HEALTH PRACTICE: The organization and administration of public health programs, including Preventive Medicine, especially as they pertain to the public health agency, the family physician and the social worker;



**FIELD WORK:** A period of three months' approved field work must be undertaken before the Diploma is granted. Facilities are available in fields of special interest, such as Tuberculosis, Venereal Disease, School Health, etc.

Candidates for the Diploma of Public Health must be graduates in Medicine of a recognized university.

The Diploma of Public Health course covers one academic year from September 16, 1946, to the end of April, 1947, with three months' additional field work.

The Fee for the Diploma of Public Health is \$250.00, a portion of which—\$25.00—the candidate is requested to deposit on acceptance of his application.

Registration is from September 14 to 21, 1946.

#### DIPLOMA OF TROPICAL MEDICINE

Tropical Medicine is coming to occupy a prominent place in medical education in North America as a direct outcome of the war and the rapid advance of aeroplane travel.

The present course in Tropical Medicine is a development of the short course given during the war to members of the armed forces. It has been revised and adjusted to post-war conditions.

Classes will be held at the Institute of Parasitology at Macdonald College of McGill University. The teaching collection at the Institute is a large and representative one. The work will be practical as well as theoretical, and will include a study of Parasitology and Medical Entomology, laboratory diagnoses of tropical and sub-tropical diseases, and lectures on the diseases of the tropics, on tropical hygiene and minor sanitation.

Clinical instruction must, of necessity, be limited in temperate climates. This aspect is, therefore, deferred to the final part of the course which will be given in the tropics at the conclusion of the didactic instruction. The course consists of three-months' didactic work, commencing in April, to be followed by three-months' clinical and field work for which arrangements have been made with Georgetown, British Guiana, and Port of Spain, Trinidad.

Candidates for the Diploma of Tropical Medicine must be graduates in medicine of a recognized university and hold a Diploma of Public Health. Certain additional courses may be required of those who are not recent graduates or of those who have not had sufficient clinical practice.

The Fee for the Diploma of Tropical Medicine is \$50.00 if preceded by the D.P.H. course at McGill University, or \$100.00 for those already holding the D.P.H.



### THE MEDICAL BUILDING

This Building, erected in 1911, at a cost of over \$600,000, contains the Offices of Administration, the Medical Library (with its 65,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Health and Social Medicine, the Research Institute of Endocrinology and the Museums of Anatomy, Pathology and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The Laboratories for Histology and Embryology have excellent facilities with space for 120 students, and smaller rooms for research.

### THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over \$500,000, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the Laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anaesthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

### THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and includes a Pathological Museum and museum workshops. It combines under one roof quarters for teaching and research in these departments, both for the University and for the Royal Victoria Hospital. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.



### THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neuro-surgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, laboratories, etc., the building provides complete residential accommodation for six research fellows

### THE ALLAN MEMORIAL INSTITUTE

In 1943 a large building and site were donated as a basis for the development of an Institute of Psychiatry. The building has been reconstructed to permit of the establishment of a fifty bed unit, together with extensive research laboratories, and was officially opened July 12th, 1944. Plans have been drawn up for the carrying out of undergraduate and postgraduate teaching in the Faculty of Medicine.

### HOSPITALS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

Royal Victoria Hospital.

Montreal General Hospital.

Children's Memorial Hospital.

Alexandra Hospital for Infectious Diseases.

Verdun Protestant Hospital.

Royal Edward Laurentian Hospital.

The Royal Victoria Montreal Maternity Hospital.



The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 3,000 beds.

THE ROYAL VICTORIA HOSPITAL, in juxtaposition to the University buildings, is a general hospital for acute diseases and contains 693 beds and 96 cribs. In a typical year, it cared for 16,637 cases, while in its out-door department 68,994 cases were treated. Many new additions have been made in the Hospital. A modern University Medical Clinic was established in 1924.

There were 66.2% post-mortems.

The number of resident physicians is 70.

THE ROYAL VICTORIA-MONTREAL MATERNITY PAVILION, with 214 beds for obstetrical and gynæcological cases, was opened in June, 1926. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. In a typical year, the obstetrical service cared for 2,252 confinements in the Hospital and 210 in the Out-patient Service. In the gynæcological section, 1,803 cases were admitted during the year.

There are ten resident physicians.

THE MONTREAL GENERAL HOSPITAL, CENTRAL AND WESTERN Divisions, is a general hospital for the treatment of acute diseases and contains 600 beds. In a recent year there were 12,200 admissions. The number of patients' visits to the Out-patient Department of both Divisions totals 174,977. Many modern additions to the original buildings have been made permitting increased bed capacity. There is a large biochemical laboratory fully equipped for the complete investigation of the metabolic aspects of disease and in conjunction with this department there is an out-patient clinic, one of the largest on the continent, for the treatment of diabetes mellitus. There were 573 autopsies performed which represents 85% of all autopsies obtainable, i.e., other than coroner's cases, etc. Post Mortem and surgical material at both Divisions is now used for teaching, and clinical teaching is carried out in the public wards at both Divisions. The number of resident physicians is 52. The Dental Clinic of the University completed in 1921 is located at the Central Division and has 50 dental chairs with a large and varied clientele. The number of visits to the Dental Clinic for a recent year was 19,065.

THE CHILDREN'S MEMORIAL HOSPITAL has 267 public beds, and, in a typical year, admitted 3,807 patients. The attendance at its out-door department totalled over 32,459 visits. This hospital admits all classes of cases of disease in children, and enables the students to get a broad



concept of pædiatrics. Of special interest are the newly-built wards with cubicles, the Department of Remedial Gymnastics, the Open-air Pavilions, and the well-equipped out-patient service.

There were 97 autopsies per year, which represents 88.3% of all deaths.

The number of resident physicians is 12.

THE ALEXANDRA HOSPITAL FOR INFECTIOUS DISEASES, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 172 beds, and, in a typical year, 2,008 patients were admitted to the hospital. There were 14 autopsies.

The number of resident physicians is 3.

THE VERDUN PROTESTANT HOSPITAL has 1,100 beds.

THE ROYAL EDWARD LAURENTIAN HOSPITAL, in its new building, 3674 St. Urbain St., has space for 70 beds, with operating room, X-Ray equipment and modern facilities for the examination of patients; it is essentially a dispensary for tuberculosis and offers adequate material for teaching students the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

## LIBRARY

*Honorary Librarian* . . . . . R. L. STEHLE

The Library occupies the central front section of the medical building. It contains more than 65,000 bound volumes and an extensive collection of pamphlets, theses, government publications and other items.

On the third floor are the pleasant, well-lighted reading room capable of accommodating seventy-five readers, and the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library—ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes.



some dating back to the sixteenth century. Among the books and journals the ophthalmological section, due in large measure to many gifts from the late Dr. Casey A. Wood, is excellent.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7.30 to 10.00 p.m., except Saturdays, when it is closed at 5 p.m. After June 15th it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

### THE OSLER LIBRARY

*Librarian*. . . . . W. W. FRANCIS

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 9,500 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death ("Bibliotheca Osleriana," Clarendon Press, Oxford, 1929, xxxvi, 785 pp.)

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 137 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.



## MEDICAL SOCIETIES

## 1. THE MCGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

- (1) To transact all matters of business connected with the undergraduate body.
- (2) To stimulate interest along medical lines.
- (3) To assist students to express themselves in public with facility.
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.

## 2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Third and Fourth years.



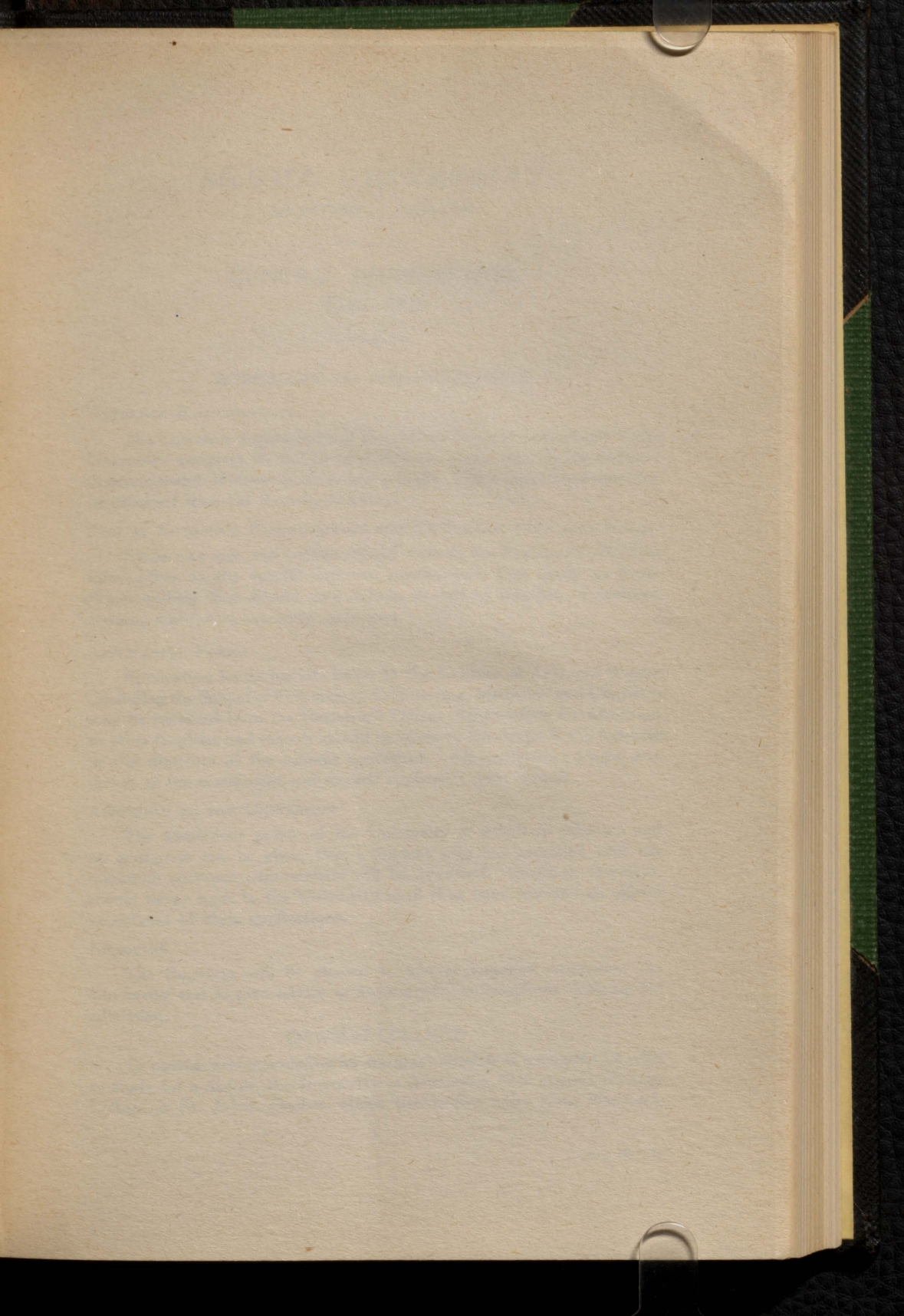
Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

### 3. THE OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.











McGILL UNIVERSITY  
MONTREAL, CANADA

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GENERAL INFORMATION  
1947 - 1948

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ADMISSION TO THE UNIVERSITY

ENTRANCE REQUIREMENTS

The Entrance requirements of the various faculties and schools of the University are given in the General Announcement, and in the separate announcements of these faculties and schools. These announcements may be obtained from the Registrar's Office.

SPECIAL ENTRANCE REQUIREMENTS FOR EX-SERVICE MEN AND WOMEN

Ex-Service men and women should write to the Registrar's Office for information on the special entrance requirements that apply to them. When writing they should give details, as full as possible, of previous training and future academic ambitions.

APPLICATION FORMS

Application forms for admission to the faculties of Arts and Science (including the School of Commerce), Engineering, Medicine, and Dentistry may be obtained from the Registrar's Office. Applications for admission to other faculties and schools should be made to the deans of the faculties or the directors of the schools concerned. All application forms give details of the certificates and records applicants must submit.

ADMISSION TO THE UNIVERSITY

The admissions policy of the University is definitely selective and no guarantee can be given that a student who has complied with the minimum entrance requirements will be admitted. Students, therefore, should never come to the University until they have received an official acceptance of their applications.

INQUIRIES

The Registrar will be pleased to answer inquiries concerning the University and to give advice to anyone who contemplates applying for admission.

DAWSON COLLEGE

To provide accommodation for the great number of veterans who wish to study for a degree, the University in September 1945 opened Dawson College at St. Johns, Quebec, about twenty-five miles from Montreal.



This college which was formerly an Air Observer Station of the R.C.A.F. is well equipped with living quarters, classrooms, laboratories, dining rooms, gymnasias, lounge rooms, and a theatre.

There is accommodation for a considerable number of married veterans, and special quarters for wounded men who are not yet perfectly fit. Application for special accommodation should be made early to the Vice-Principal, Dawson College, Quebec. The college has room for about 1,500 resident students.

The following students will, after September 1947, be in residence at Dawson College:

All students (men and women) in First Year Engineering.

All students in Second Year Engineering except those for whom special arrangements were made during the 1946-47 session.

All male students in the First Year of the B.Sc. course.

All male students in the Second Year of the B.Sc. course except those taking Honours in Botany or Zoology.

#### *Exceptions:*

Students may, in certain circumstances, be permitted to live in Montreal and commute to their lectures at Dawson College. Those seeking this privilege should apply to the Vice-Principal of Dawson College.

The monthly fees for Board and Residence at Dawson College are:

Single men in dormitories.....	\$39.00
Single men or women in rooms.....	45.00
Man and wife in one room.....	70.00
Man, wife, and child in two rooms.....	80.00
Extra for each additional child.....	5.00
Health Fee for the Session (all students in residence).....	3.00

*These fees are subject to change without notice.*

For further information, applicants should write to the office of the Vice-Principal, Dawson College, Quebec.

## IMMIGRATION

All students entering Canada to attend courses at the University should obtain from the Registrar's Office an official letter of acceptance and should present this to the immigration authorities at the port of entry.

### BRITISH STUDENTS

British students do not require passports to enter Canada but may require them if they wish to return, and they are therefore advised to obtain them before leaving for Canada.



## AMERICAN STUDENTS

American students do not need passports. They must, however, bring with them evidence of their American citizenship such as their birth certificate, baptismal certificate, naturalization certificate, or passport. They should register on arrival with the American Consulate General. Students coming from the United States of America who are not citizens of that country should carry evidence that they are legally in the United States, and prior to their return should obtain a re-entry permit from the American Immigration Department.

## OTHER STUDENTS

All other students should carry passports.

Reference: Department of Mines and Resources, Memorandum No. 595335—Imm.

## HEALTH SERVICE

The object of the student Health Service is to ensure that every student enrolled at McGill University shall be enabled to obtain the maximum protection for the development and maintenance of health at reasonable cost, during the University sessions.

The facilities of the Health Service provide for the early discovery of any defects of health and direct the student to competent treatment for any serious defect which may be found. The personnel of the Health Service have all been chosen for their ability to give competent and sympathetic service.

The Health Service provides treatment for minor illnesses or accidents.

It is not the function of the Health Service to undertake the care of serious cases beyond the initial diagnosis and emergency treatment. The patient will then be referred to the physician or surgeon of his choice or to the public service of designated hospitals.

The families of out-of-town students will be notified of any serious illness, and the action of the Health Service will be guided by their wishes or the advice of their family doctor.

Students entering the University are presumed to be in good health. If not, a statement to the contrary should be furnished to the Health Service before registration in the University is completed.

All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination against Smallpox. Students should be vaccinated before they come to the University. If they have not complied with this Government regulation, they will be vaccinated at the University and a fee of \$5.00 will be charged. Failure to be vaccinated before a certain date in the term will involve an additional fine of \$5.00.



The University is not responsible for damages of any kind resulting from accidents or athletic injuries which may occur, nor for the medical or hospital expenses incurred by any person suffering an accident or athletic injury. In the case of injuries which occur during intercollegiate or intramural competition in athletics or in preparation therefor, the Health Service will render treatment, including hospitalization, if necessary, but any hospital expense in connection therewith shall be limited to the same maximum amount and conditions as in the case of hospitalization for illness. If circumstances appear to justify such action, the Director of the Department of Physical Education may authorize additional services or contributions towards such cost.

The Student Health Service is organized to provide:

- (a) Annual examinations for all men and women students in the University at the beginning of each Session. The examination includes a complete clinical check, together with an X-ray of chest and routine laboratory procedures. It is designed to provide an evaluation of the student's physical and psychological condition. Participation in athletics is conditional upon the findings. The examination is compulsory for all students and is given during a stated period of time. Announcements appear on the notice board giving the date, time and place for each student. Any student who fails to be examined during the regular period is subject to a fine of \$5.00. If the student fails to report on a subsequently specified date the fine is increased to \$10.00. Should he fail to report after another request, he is suspended from the University.

Re-examination during the session is undertaken for any student who may seem to require it.

- (b) Consultative service for all students during regular hours throughout the week at designated locations by physicians of the Health Service. This service is optional on the part of the student. Any services obtained by the student from a private physician are the students' responsibility. The University will not pay for such services.

A limited number of visits by a physician or nurse of the Health Service for those living away from home and confined to bed will be undertaken.

A student who has received medical attention for an illness or accident must be declared fit by the Health Service before he may resume participation in classes or athletics.



- (c) Payment for one half of all public ward rates in a designated general hospital up to a maximum of \$125.00 per student in any one session of the University, providing that the hospitalization is requisitioned by the Health Services.

*This contribution is not applicable to hospital expenses for an illness or other condition which was known or ascertained at the time of admission.*

Detailed information will be furnished each student at the time of registration.

## BOARD AND RESIDENCE

*The University reserves the right to make changes without notice in its published schedule of tuition, board and residence, and other fees.*

### I. FOR MEN

#### DOUGLAS HALL OF RESIDENCE

Douglas Hall was opened in September 1937. It is built on the staircase plan, each student normally having his own study-bedroom and sharing a sitting room with two other men, the three study-bedrooms and the sitting room forming a self-contained and separate suite. Meals, under the supervision of a qualified dietitian, are served in the attractive refectory and residents have in addition the use of adequate common rooms, play rooms, etc.

#### NORMAL FEES FOR BOARD AND RESIDENCE:

Engineering and Architecture .....	\$438.00
Arts, Science, Commerce, Law .....	478.00
Dentistry and Medicine .....	553.00

Due to limited accommodation, a few students will be required to share a study-bedroom, in which case a rebate of \$40.00 on the normal fee will be allowed.

#### WILSON MEMORIAL HALL

Wilson Memorial Hall, acquired in 1945, has accommodation for approximately seventy students, most of whom share a double room. Otherwise the facilities of dining room and common rooms are similar to those at Douglas Hall.

#### NORMAL FEES FOR BOARD AND RESIDENCE:

Engineering and Architecture .....	\$433.00
Arts, Science, Commerce and Law .....	468.00

Students sharing a double room will be allowed a rebate of \$40.00 on the normal fee.



One half of the fee is payable at the beginning of the session, and the balance on February 1st.

Students who are in residence for any additional period are charged extra at the rate of \$2.00 per day.

Application forms for both residences may be obtained from the Warden's Office, Douglas Hall of Residence.

#### LODGINGS

Before the opening of the session each year a list of Approved Lodgings which have been inspected by a representative of the University is issued by the Lodgings Committee. This List which gives details of rooms, meals, prices, etc., may be consulted in the Registrar's Office, the Students' Union, and other University Buildings. The list is not sent by mail.

The cost of board and lodging in approved rooms varies from \$50 to \$75 per month. Separately, board costs from \$35, and a room from \$20 upwards per month.

Board is furnished in the McGill Union at low rates.

Board and lodging for men may also be obtained in the Diocesan College, which is affiliated with the University.

### II. FOR WOMEN THE ROYAL VICTORIA COLLEGE

The present building of the Royal Victoria College was erected in 1899 under the terms of the endowment created by the late Rt. Hon. Baron Strathcona and Mount Royal for the education of women at McGill University. The extension was built in 1930-31 and adjoining land has recently been acquired for the purpose of providing additional facilities.

All women undergraduates registered at McGill University are automatically members of the Royal Victoria College, whether in residence or not, and are required by the University to complete the supplementary registration forms of the Royal Victoria College.

The activities of all women students center in the college, which contains a separate library, cafeteria, gymnasium facilities, health offices and accommodation for the Women's Union, as well as residential quarters and the Warden's office.

The Warden has general supervision over all the academic activities of the women students. Under the University statutes, she is responsible for "the preservation everywhere of the good character and good name of the College." To this end she has jurisdiction over all women's extra-curricular activities.

#### ADMISSION

To be eligible for residence students must have fulfilled all the entrance requirements of McGill University, have been officially accepted for a full course leading to a degree or diploma and have complied with the health regulations (see paragraph on health).



Admission to residence is based upon scholarship, character, health and general promise.

#### APPLICATION FOR RESIDENCE

Application forms may be secured either from the Registrar's Office of the University or from the College, and when completed should be addressed to the Warden, Royal Victoria College, McGill University, Montreal. It is to the candidate's advantage to make application early and in any case by May 15th. (Students should not await the results of their matriculation examinations before applying.) While the date of application is not considered in the selection of candidates, rooms are assigned to those accepted in the order in which forms are received.

#### RESIDENCES

The College has accommodation for 137 students only, but residence for approximately 140 students is available at Strathcona Hall, a residence building one block west of Royal Victoria College on Sherbrooke Street, A.N.A. House and McLennan Hall on Ontario Avenue. McLennan Hall, formerly the home of Miss Isabella C. McLennan, and recently donated by her to the University, is within 10 minutes' walking distance of the College. Breakfast is served at the Hall and other meals at the Royal Victoria College.

#### OPENING AND CLOSING OF RESIDENCES

Registration dates for women students are as follows:

Friday and Saturday,

September 26th and 27th—B.A.	3rd and 4th years
B.Sc.	2nd, 3rd and 4th years
B.Com.	3rd and 4th years

Saturday morning,

September 27th —*Non-Resident* 1st year women

Tuesday, September 30th—B.A.	1st and 2nd years
B.Sc.	1st year
B.Com.	1st and 2nd years
Pre-Physiotherapy	

A late registration fee of \$5.00 will be charged to any woman student registering late.

Residences will open for all students on Thursday, September 25th, when the mid-day meal will be the first to be served. *Students will not be admitted before this date.*

All students except seniors are expected to leave in May within 48 hours of their last examination, seniors by the day after Convocation.

#### ROOMS AND FURNISHINGS.

In the Royal Victoria College there are 130 single rooms and 7 double rooms. The rooms are furnished with the following: couch bed, bedding and



linen (two blankets, pillow, sheets, pillow cases, bath towels, face towels), muslin curtains, small rug, bureau, desk, bookcase, desk chair, waste-basket, and study lamp. Couch coverings and bureau scarves are not provided.

In Strathcona Hall there are 45 single rooms and 9 double rooms, with furnishings similar to the Royal Victoria College.

At McLennan Hall the rooms are large and accommodate two or three students each, except for two single rooms. The furnishings include couch beds, bedding and linen (two blankets, pillow, sheets, pillow cases, bath towels, face towels), bureaus, desks, chairs, waste-baskets, and study lamps. Couch coverings and bureau scarves are not provided.

A.N.A. House, 3456 Ontario Avenue, has been taken over by the Royal Victoria College and established as a residence for undergraduate women veteran students. Most of the rooms are large and accommodate several students. The furnishings include cot beds, bedding and linen, bureaus, study tables, chairs, waste-baskets and study lamps.

#### RATES

The charge for board and residence in the Royal Victoria College for a student occupying a single room is \$453.00 and for a student occupying a double room \$428.00.

The charge for board and residence in Strathcona Hall is \$403.00 for a single room and \$378.00 for a double room.

The charge for board and residence at McLennan Hall is \$453.00 for the single rooms and \$378.00 for all others.

The charge for board and residence at A.N.A. House is \$320.00.

These charges cover the period of the University session (Arts and Science) exclusive of the Christmas holiday. Students who are in residence for any additional period for purposes of instruction, practice teaching or examinations are charged at the rate of \$2.00 per day at the Royal Victoria College, Strathcona Hall and McLennan Hall. Those at A.N.A. House pay \$1.35 per day.

#### RESIDENCE OUTSIDE THE COLLEGE

Students not residing with their parents or guardians should apply for residence in the Royal Victoria College or Strathcona Hall or McLennan Hall or consult with the Warden with regard to living outside. A list of approved boarding houses with details of rooms, prices, etc., may be consulted at the Royal Victoria College. All women students living out of residence must obtain the Warden's written approval of their living arrangements and no student may change her lodging without the written consent of the Warden.

No sanction can be given to establishments of students in apartments or elsewhere unless such households are presided over by a parent or other responsible person approved by the Warden.



There is accommodation for meals in the cafeteria at the Royal Victoria College.

#### HEALTH

The health service for both resident and non-resident students is part of the University Health Service. The Assistant Physician for the Royal Victoria College, Dr. M. Dorothea Mellor, is assisted by the resident nurse.

No student who has an infectious illness or who comes from a house in which there has been an infectious illness may enter or return to the College unless the regulations of the Provincial Department of Health are observed. In all such cases the Warden must be notified and official consent secured. All students entering the University for the first time are required according to Provincial regulations to present a certificate or other satisfactory evidence of successful vaccination within seven years, or of insusceptibility to vaccine within five years.

#### FEES

*The University reserves the right to make changes without notice in its published schedule of tuition, board and residence, and other fees.*

##### I. UNIVERSITY FEES

These fees include all the regular charges of the University for tuition, health service, registration, libraries, laboratories, physical education, sports, games, and graduation. The only additional fee is the Students' Society Fee (see page 211).

##### FULL-TIME REGULAR STUDENTS

Arts.....	\$234.00
Science.....	257.00
Engineering.....	280.00
Medicine (British students).....	378.00
Medicine (Non-British students).....	478.00
Dentistry (British students).....	329.00
Dentistry (Non-British students).....	369.00
Law.....	255.00
Music.....	227.00
Library School.....	267.00
Commerce.....	253.00
Graduate Faculty.....	147.00 or 167.00*
School of Physical Education (Degree Course).....	262.00
School for Graduate Nurses (Diploma Course).....	187.00
School for Graduate Nurses (Degree Course).....	232.00
Physiotherapy.....	252.00
High School Diploma Course.....	147.00

\*The higher fee if laboratory courses are taken. Students in Chemistry are charged a Caution Levy of \$7.00.



## CONDITIONED STUDENTS

Special fee for an additional course repeated or substituted by  
 Conditioned Students (one full course or two half courses).. \$10.00

## LIMITED UNDERGRADUATES IN THE FACULTY OF ARTS AND SCIENCE

First and Second Years, per course..... \$55.00  
 Other years, per course..... 65.00

## PARTIAL STUDENTS

	Half Courses	Full Courses
Arts, Science and Commerce, per course.....	\$30.00	\$60.00
Engineering, per hour of instruction per week, per term	10.00	10.00

The maximum fee for a partial student is the full undergraduate fee.

Information concerning the fees payable by partial students taking other courses may be obtained from the Bursar's office.

Partial students pay \$5.00 for Athletics and are entitled to use the outdoor facilities, tennis courts, rinks, etc. If they desire the full athletic and health service privileges of a regular student the fee payable is \$22.00. Such students must be medically examined at the time of registration.

Partial students who pay the full undergraduate fee are entitled to the use of the Student Health Service and all facilities of the Department of Physical Education enjoyed by regular students.

## PAYMENTS BY INSTALMENTS

Fees may be paid in two instalments, one at the beginning of the session and one on the 1st of February following. For this privilege the fee (payable \$2.50 with each instalment) is..... \$ 5.00

## II. SPECIAL FEES AND PENALTIES

Late registration (first week) extra.....	\$ 5.00
Late registration (second week) extra.....	10.00
Late payment fee (after specified date).....	2.00
Fine for late medical examination ( <i>see page 204</i> ).....	5.00 or 10.00
Graduation <i>in absentia</i> .....	10.00
Duplicate Diploma.....	10.00
Certified copy of student's record.....	1.00
Additional copies (at same time).....	.50
Certificate of exemption from Matriculation.....	2.00
Supplemental examinations, each paper.....	10.00
Rental of microscope ( <i>for students in Dentistry</i> ).....	7.50

McGill graduates and graduates of other Universities may use the University Library on payment of an annual fee of \$5.00.



## III. STUDENTS' SOCIETY FEES

An annual fee of \$10 (\$11 in Engineering) is payable by all under graduates for the support of student organizations. Engineering students are required to make a deposit of \$10.00 for the Engineering Undergraduates Book Service.

Medical students pay an additional \$2.00 for the Medical Journal.

The men's fee is distributed as follows: McGill Union \$3.50; McGill Daily \$1.50; Students' Executive Council \$4.00; Undergraduate Society \$1.00.

The women's fee is distributed as follows: Women's Union \$3.50; McGill Daily \$1.50; Students' Executive Council \$4.00; Undergraduate Society \$1.00.

Fees for the use of the gymnasium, the rinks and tennis courts, and free admission to all home games of University teams are included in the University Fees given on page 209.

## REGULATIONS FOR PAYMENT OF FEES

1. Fees are due and payable at the Bursar's Office immediately after registration; exact dates are shown in the announcements of the various Faculties and Schools. A late fee of \$2.00 is charged for payment after the specified dates.
2. The University does not issue bills for fees. Each student is required, at the time of registration, to complete a form giving full details of his fees for the session. This form provides a detailed statement to accompany remittances sent by mail.
3. Fees may be paid in two instalments, one at the beginning of the session, and one on February 1st following. In such cases the instalment fee of \$5.00 is charged.

*1st Instalment*

Divide Tuition, Board and Residence, and Instalment Fees in half. All other fees and deposits are payable in full with first instalment.

*2nd Instalment*

Balance of Tuition, Board and Residence, and Instalment Fees.

4. Domicile in general determines whether a student pays the British or the Non-British fees in Medicine and Dentistry. A student who is uncertain which rate he is required to pay should consult the Registrar.
5. Students registering late pay their fees at the time of registration, failing which they become subject to the provisions of the following paragraph:



Immediately after the prescribed dates for the payment of fees the Bursar will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

6. Further details concerning fees in the Faculty of Graduate Studies and Research are given in the announcement of that Faculty.

#### REGULATIONS CONCERNING REMISSION OF FEES TO STUDENTS WHO LEAVE THE UNIVERSITY DURING THE COURSE OF THE ACADEMIC YEAR

1. Students withdrawing from the University must cancel their registration at the Registrar's Office.
2. In the case of students who, in spite of the fact that they leave the University before the end of the academic year, receive full credit for the year towards their degree, there shall be no refund of fees.
3. In the case of students who leave during the academic year and do not receive credit beyond the period of their attendance, the fees shall be remitted on the following basis:
  - (a) In those Faculties where the academic year is divided into two terms, half of the annual fees shall be remitted to a student who leaves prior to the beginning of the second term.
  - (b) In those Faculties where the year is divided into three terms, one-third of the fees shall be returned for each term that begins after the departure of the student.
4. No fees shall be refunded for any term during which the student has attended classes, even though he leaves before the term has finished.
5. Board and residence fees are payable for the full academic year and shall not be refunded.
6. Students' Activities fees shall not be refunded.

#### EXPENSES

It will be seen that each student pays annually two fees, (1) his inclusive University fee (2) a Student's Activity fee. There are no other regular fees and the only extras are for late registration, for graduation *in absentia*, etc., as listed above. Consequently the expenses of a student may be estimated by adding these two fees and the cost of board and lodging (*see pages 205 to 209*). Books are necessarily a variable expense, but probably \$30 a year would be about their average cost in Arts and Science. Personal expenditure upon clothes, amusements, etc., is still more variable and no useful estimate is possible.



## PART-TIME EMPLOYMENT

Inquiries regarding placement, part-time work, or summer employment should be directed to the University Placement Service. However, students taking a regular degree course generally have insufficient leisure to make heavy part-time work during the term advisable, and they are recommended not to rely upon earning any money while actually at college.

## SPORTS FOR MEN

There is intercollegiate competition in approximately twenty different sports including, football, hockey, track, basketball, skiing, swimming, boxing, wrestling, fencing, and golf, and, in addition, there is a wide programme of intra-mural competition in various sports. The Sir Arthur Currie Memorial Gymnasium provides accommodation for many indoor activities, while Mount Royal in Montreal and the Laurentian Mountains north of Montreal provide excellent skiing country. A student in good health thus has ample opportunities for exercise and pleasant recreation.

## SPORTS FOR WOMEN

For women students there is a wide choice of voluntary sports and recreations including archery, basketball, dancing, gymnastics, skating, skiing, swimming and tennis. Special care is taken that no student undertakes any exercise for which she is physically unsuited.

## CALENDAR FOR THE SESSION 1947-48

## 1947

- May 28th, Wednesday.* Convocation. No lectures.  
*May 30th, Friday.* Registration of Students in Summer Session in the Faculty of Arts and Science and continuing Second Term.  
*June 2nd, Monday.* Lectures begin in Arts and Science Summer Session and in Second Term Arts and Science and Engineering.  
*June 27th, Friday.* French Summer School begins.  
*June 30th, Monday.* Geography Summer School begins.  
*July 1st, Tuesday.* Dominion Day. No lectures.  
*August 8th, Friday.* French Summer School ends.  
*August 11th, Monday.* Geography Summer School ends.  
*August 14th, Thursday.* Lectures end in the Faculty of Arts and Science Summer Session.  
*August 18th, Monday.* Examinations begin in the Arts and Science Summer Session.  
*September 2nd, Tuesday.* Students register in all years of Medicine and Dentistry. Public Health Nurses report for field work. Summer School in Mechanical Engineering begins. Fall Survey School begins. High School Diploma students report for training in the Department of Education. Last day for filing graduate theses for Autumn Convocation.



*September 3rd, Wednesday.* Lectures begin in all years of Medicine and Dentistry. Seminars and field work begin for High School Diploma students. School Certificate Examinations begin.

*September 8th, Monday.* Second and Third Year Students in the School of Physical Education report for Autumn Outdoor School. Supplemental Examinations begin in Arts and Science, Commerce, Engineering, Architecture, and in the School of Physical Education.

*September 12th, Friday.* Teaching and Supervision students report for field work in the School for Graduate Nurses.

*September 13th, Saturday.* Last day for reports on Ph.D. theses.

*September 15th, Monday.* Last day for reports on Masters' theses. Special Summer School in Surveying begins. Architectural Sketching School begins. Conservatorium of Music opens for practical work.

*September 16th, Tuesday to September 20th, Saturday.* Final orals for Ph.D.

*September 19th, Friday, and September 20th, Saturday.* Students register in the Library School.

*September 22nd, Monday.* Lectures begin in the Library School.

*September 25th, Thursday.* Registration of Upper Year Students begins in Arts and Science.

*September 29th, Monday.* Freshman Day. Registration of First Year Students begins in Arts and Science. Registration of all years in Engineering and Architecture. Registration in the School of Social Work. Lectures begin in the Faculty of Music.

*September 29th, Monday and September 30th, Tuesday.* Students register in Law, the School for Graduate Nurses, the First and Fourth Years of the School of Physical Education, and the School of Physiotherapy.

*September 30th, Tuesday.* Lectures begin in the School of Social Work.

*October 1st, Wednesday.* Lectures began in Arts & Science, Commerce, Engineering, Architecture, Law, Agriculture, Household Science, Graduate Studies and Research, the School for Graduate Nurses, the School of Physiotherapy, and the School of Physical Education. Last day for receiving candidates' applications and Sessional registration forms in the Dean's Office, Faculty of Graduate Studies and Research. Last day for handing in summer essays in the Faculty of Engineering.

*October 6th, Monday.* Founder's Day. Convocation.

(James McGill born October 6th, 1744, died December 19th, 1813.)



*\*Thanksgiving Day.* No lectures.

*October 18th, Saturday.* Last day for submitting certificates relating to summer employment in the Faculty of Engineering.

*October 25th, Saturday.* Last day for registration and payment of fees in the Faculty of Graduate Studies and Research.

*December 6th, Saturday to December 13th, Saturday.* Examinations in French and German for Ph.D. students.

*December 12th, Friday.* First term ends in the Library School.

*December 16th, Tuesday, to December 19th, Friday.* Examinations in the Library School.

*December 19th, Friday.* Last day of lectures and field work in the School of Social Work.

*December 20th, Saturday.* Last day of lectures in all other Faculties and Schools.

## 1948

*January 2nd, Friday.* Lectures resumed in Medicine, Dentistry, Law, and Graduate Studies.

*January 3rd, Saturday.* First term ends in Law.

*January 5th, Monday.* Lectures resumed in the Library School, Music, and the School of Social Work. Second term begins in Law. First term examinations begin in Arts and Science, Engineering, Architecture, Physical Education, the School for Graduate Nurses, and Physiotherapy.

*January 12th, Monday.* Second term begins in Arts and Science, Commerce, Engineering, Architecture, Physical Education, the School for Graduate Nurses, and Physiotherapy.

*January 28th, Wednesday, to January 30th, Friday.* Examinations held in the School of Social Work.

*February 2nd, Monday.* Second term begins in the School of Social Work.

*February 10th, Tuesday.* Founder's Day at Macdonald College.  
(Sir William Macdonald born February 10th, 1831, died June 9th, 1917.)

Library School trip. Dates to be announced.

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*\*Thanksgiving Day* will be a University Holiday. The date will be proclaimed later by the Dominion Government.

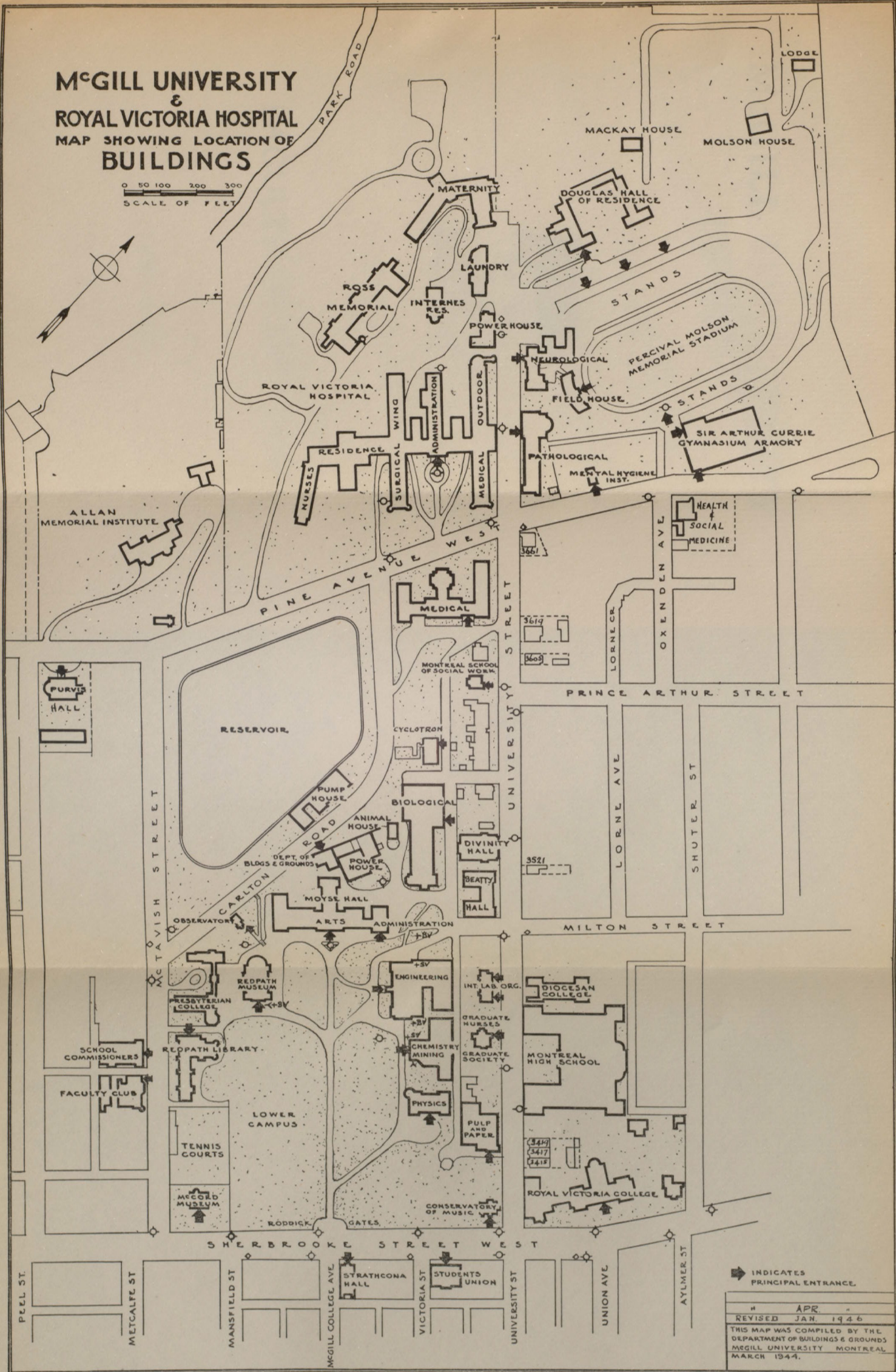
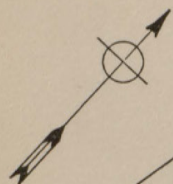


- March 26th, Friday, to March 29th, Monday (inclusive).* Easter vacation.
- April 7th, Wednesday.* Lectures end in all years of Engineering and Architecture.
- April 12th, Monday.* Examinations begin in all years of Engineering and Architecture.
- April 15th, Thursday.* Last day for filing Ph.D. theses.
- April 16th, Friday.* Lectures end in all Faculties and Schools except Medicine, Dentistry, the Library School and Music.
- April 21st, Wednesday.* Examinations begin in Arts and Science, Commerce, Law, Physical Education, Agriculture, Household Science, the School for Graduate Nurses, and Physiotherapy.
- April 22nd, Thursday.* Last day for filing Masters' theses not involving experimental work.
- April 30th, Friday.* Examinations begin in the Theory of Music.
- May 1st, Saturday.* Lectures end in the Library School. Last day for filing Master's theses involving experimental work.
- May 3rd, Monday.* Practical examinations begin in Music.
- May 4th, Tuesday.* Examinations begin in the Library School and in Higher Theoretical Music.
- May 7th, Friday.* Last day of lectures in the School of Social Work.
- May 8th, Saturday.* Last day for reports on Ph.D. theses and for reports on graduate examinations. Lectures end in Music. Examinations begin in the School of Social Work.
- May 8th, Saturday, to May 15th, Saturday.* Final orals for Ph.D.
- May 10th, Monday, to May 22nd, Saturday.* Practice work in the Library School.
- May 12th, Wednesday.* Last day for reports on Masters' theses.
- May 15th, Saturday.* Lessons in Practical Music end at Conservatorium of Music.
- May 17th, Monday.* First day of full-time field work in the School of Social Work.
- May 26th, Wednesday.* Convocation.
- June 14th, Monday.* School Certificate Examinations begin.
- June 26th, Saturday.* Last day of full-time field work in the School of Social Work.



# McGILL UNIVERSITY & ROYAL VICTORIA HOSPITAL MAP SHOWING LOCATION OF BUILDINGS

0 50 100 200 300  
SCALE OF FEET



➔ INDICATES  
PRINCIPAL ENTRANCE.

" APR "   
REVISED JAN. 1946  
THIS MAP WAS COMPILED BY THE  
DEPARTMENT OF BUILDINGS & GROUNDS  
MCGILL UNIVERSITY MONTREAL  
MARCH 1944.



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McGILL UNIVERSITY  
MONTREAL



FACULTY OF MEDICINE

1947-1948



McGILL UNIVERSITY  
MONTREAL



FACULTY OF MEDICINE

1947-1948



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# McGILL UNIVERSITY

## FACULTY OF MEDICINE

### ADMINISTRATIVE OFFICERS

<i>Principal</i> .....	F. CYRIL JAMES, Ph.D., D.C.L.
<i>Dean of the Faculty</i> .....	FREDERICK SMITH, M.A., M.B., B.Ch., M.R.C.P., M.R.C.S.
<i>Secretary of the Faculty</i> .....	D. S. FLEMING, B.A., M.D., C.M. D.P.H.
<i>Comptroller and Executive Assistant to the Principal</i> .....	S. H. DOBELL, D.S.O.
<i>Bursar</i> .....	W. BENTLEY, C.G.A., A.C.I.S.
<i>Registrar</i> .....	T. H. MATTHEWS, M.A.
<i>University Librarian</i> .....	RICHARD PENNINGTON, B.A.
<i>Honorary Medical Librarian</i> .....	R. L. STEHLE, M.A., Ph.D.
<i>Osler Librarian and Director of the Museum of the History of Medicine</i> .....	W. W. FRANCIS, A.B., M.D.
<i>Assistant Secretary of the Faculty</i> .....	MISS G. D. MUDGE

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate announcement, which may be obtained from the Registrar's Office.







## FACULTY OF MEDICINE

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The one hundred and fifteenth session of the Faculty will open on September 3rd, 1947, for students of the 1st year.

### REQUIREMENTS FOR ENTRANCE

#### 1. (a) *Total Academic Credits:*

The minimum requirement for admission to the medical course is the satisfactory completion of three full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof). This minimum requirement may be regarded as equivalent to a total of 90 semester hours.

#### (b) *Scientific Requirements:*

In the scientific branches, certain subjects are specifically required:

*Chemistry*, two full courses, including General Chemistry and Organic Chemistry, with laboratory work.

*Physics*, one year with laboratory work.

*Biology, or Zoology*, one year with laboratory work. (Of this, a half year must consist of Zoology.)

#### (c) *Cultural Requirements:*

These must be selected in such a way as to be in harmony with the requirements for the degree of B.A. or B.Sc. at the college where the courses are taken. These would commonly include credits in English Literature and in Composition, Mathematics and at least one modern language. It is advisable for each applicant to present evidence of such preparation.

#### (d) All candidates for admission to the Medical Faculty are required to take the Graduate Record Examination, or furnish a satisfactory explanation of reasons why they are unable to do so.

2. In selecting courses, in addition to the specific requirements listed above, the intending medical student should plan his pre-medical course as a whole, and in accordance with a definite educational objective. Emphasis should be laid on the broad educational value and the intellectual training afforded, rather than on the factual content of such pre-medical curricula; the student is therefore advised to plan his course in such a way as to provide more than elementary training in some definite



field of learning which appeals to him; this major field may be selected from the Natural or Social Sciences or the Humanities. Certain subjects which though not essential have been found valuable in medical study, and which may be included as electives if the curriculum in the major field permits, are Psychology, Sociology and Genetics.

In general, students are advised not to anticipate medical school courses in Physiology, Histology, Bacteriology and Biochemistry at the expense of a fundamental training as outlined above.

On the other hand, for students who desire a preparation in excess of the minimum requirements, a considerable degree of specialization in the sciences, such as Honours graduation, or a Master's degree, in Physics, Chemistry, Biochemistry, Biology, Physiology, or Bacteriology, may prove to be desirable and advantageous.

The students' attention is called to the memorandum printed in the Announcement of the Faculty of Arts and Science, for the guidance of pre-medical students.

Candidates for admission shall furnish evidence that they have satisfied the matriculation requirements of the Licensing Body where they wish to practise.

### EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

The equivalent courses of study in schools accepted by this University shall be determined from time to time. Acceptance of a course of study as equivalent may not include the examination in that subject held by the accepted school, but the student may be required to pass such examinations, individual or comprehensive, as may be required by the Faculty.

### APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than March 1st.



A fee of \$25.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Dean or Secretary of the Faculty, when possible, is advisable.

### REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office on Tuesday, September 2nd, 1947. Those who register after this date will be required to pay a late registration fee of \$5.00 if they register during the first week of the session and \$10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

### STUDENT FEES

#### FEES FOR THE SUPPORT OF STUDENT ORGANIZATIONS

Partial students ..... \$11.00  
 Regular students (new) ..... \$11.00  
 Regular students (returning) ..... \$11.00

### DATES OF PAYMENT

Fees are due and payable at the Registrar's Office between the 1st of September and the 15th of September. Fees are to be paid in cash or by check.



## FEES

*The University reserves the right to make changes without notice in its published schedule of tuition, board and residence, and other fees.*

## UNIVERSITY FEES

## 1. REGULAR STUDENTS.

Annual fee for British students.....	\$378.00
By instalments: each of two instalments.....	191.50
Annual fee for Non-British students.....	478.00
By instalments: each of two instalments.....	241.50

## 2. REPEATING A YEAR.

British students repeating a year pay.....	378.00
Non-British students repeating a year pay.....	478.00

## 3. PARTIAL STUDENTS.

Qualified students may be admitted as partials to one or more courses on payment of special fees.

## 4. AD EUNDEM FEE.

Students entering any year above the first pay a special <i>ad eundem</i> fee of.....	\$10.00
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## 5. DIPLOMA OF PUBLIC HEALTH FEES.

The fee for the graduate course in Public Health, including laboratory and outdoor work, as well as student Health Service fee, is \$250.00, of which \$25.00 is to be deposited on acceptance of application.

## 6. DIPLOMA OF TROPICAL MEDICINE FEES.

The fee for the course leading to this diploma is \$50.00 if preceded by the D.P.H. course at McGill University or \$100.00 for those already holding the D.P.H., taken elsewhere. For all others the fee is \$150.00.

## STUDENT FEES

## FEES FOR THE SUPPORT OF STUDENT ORGANIZATIONS.

Regular students (men).....	\$13.00
Regular students (women).....	13.00
Partial students.....	5.00

## DATES OF PAYMENT

Fees are due and payable at the Bursar's Office between the hours of 9 a.m. and 4 p.m. on the following dates:—



Tuesday, September 2nd, to Thursday, September 4th, inclusive, or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on February 1st. An additional \$2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration failing which they become subject to the provisions of the above paragraph.

Immediately after the prescribed dates for the payment of fees the Bursar will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Bursar.

All fees are payable in Canadian currency.

Domicile will in general determine whether a student pays the British or Non-British fees. A student who is uncertain which rate he will be required to pay should consult the Registrar.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

#### MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:—2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine. Suitable microscopes may be secured through local dealers. Information regarding terms may be obtained from the Dean's office.

#### BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement (pages 205 to 213).

#### HEALTH SERVICE

For details of the Health Service and Medical Examinations see the General Information Pamphlet included in this Announcement (page 203).



## COURSES FOR THE DEGREE OF M.D., C.M.

The minimum period of professional training required by the University as a qualification for the independent practice of Medicine shall be five years, including

- a. four years of medical study in the University leading to the degree of M.D., C.M.; and
- b. one year of internship in an approved hospital.

## OR

one year of further medical study in the Faculty of Medicine of McGill University or at another medical school approved by it.

While the Faculty Administration exercises a general supervision of arrangements for internships, the Faculty of Medicine assumes no responsibility to provide an internship for any student.

A certificate that his medical education is completed and that he is eligible to sit for the examination of a licensing board shall not be issued to any graduate until the University is in possession of satisfactory evidence that he has completed the full requirements.

There are three sessions of thirty-six weeks each and one session (final session) of thirty-two weeks, all exclusive of examination periods. The sessions usually begin the first Tuesday after the first Monday in September (Labour Day) and continue until the first week of June in the first three years and to the first week in May in the final year.

The academic session is divided into four terms in the first and fourth session and into three terms in the second and third sessions. The minimal period of study for the degree of M.D., C.M., is, therefore, four sessions of study comprising one hundred and forty weeks exclusive of examination periods.

The arrangement of the principal subjects of instruction is usually as follows:

## FIRST SESSION

Anatomy (including Histology and Embryology), Physiology, Biochemistry, Psychobiology and Medical Sociology, Introduction to Medicine.

## SECOND SESSION

Pharmacology, General Pathology, Bacteriology and Immunology, Parasitology, Laboratory Diagnosis, Medicine, Surgery, Paediatrics, Obstetrics, Health and Social Medicine, Psychiatry.

## THIRD SESSION

Special Pathology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, Psychiatry, Therapeutics, Ophthalmology, Oto-laryngology, Medical Jurisprudence, Radiology, Anaesthesia.



## FOURTH SESSION

Medicine,\* Surgery,\* Obstetrics and Gynæcology, Psychiatry, Pædiatrics, Ophthalmology, Otolaryngology, Radiology, Neurology and Neuro-Surgery.

\*In these subjects are included the following:—

*Medicine*—Dermatology, Clinical Therapeutics.

*Surgery*—Orthopædics, Urological Surgery, Anæsthesia.

## EXAMINATIONS

The examinations taken within the Medical Faculty are divided into two groups, namely, major examinations and minor examinations. Major examinations are the final examinations in Anatomy (Embryology) Histology, Physiology, Biochemistry, Pharmacology, Bacteriology and Immunology, Pathology, Health and Social Medicine, Pædiatrics, Medicine, Surgery, Obstetrics and Gynæcology, Psychiatry.

Minor examinations include the final examinations in Parasitology, Laboratory Diagnosis, Medical Jurisprudence, Therapeutics, Ophthalmology, Otolaryngology, Radiology and examinations preliminary to the final major examinations.

A student who fails in any major examination will be required before he sits a supplemental examination to present to the Dean's office from the senior professor of the Department concerned a certificate that the student has taken sufficient extra tuition as would indicate that he has reviewed the subject and is a suitable candidate for the supplemental examination.

There is a strict difference between the importance of a major and a minor examination. If a student fails in the supplemental of a major examination, there are definite restrictions as hereinafter set forth, while failure in the supplemental of a minor examination permits the student to carry conditions as are hereinafter laid down.

A student who fails in the supplemental of one (or two) minor examination may proceed with other subjects in the following year, carrying such subject as a condition, but may not sit any subsequent major examinations until such conditions have been removed, nor may more than two conditions be carried at one time.

All conditions must be removed by the end of the first term (November) in each session when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year and to repeat the courses of the Winter and Spring terms.

A student who fails in the supplementals of three or more minor examinations in any one session must repeat this session or may be asked



to retire, as may be decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A failure in the supplemental of a major examination will require the student to repeat the course (repeat the year), and no student may repeat such a course more than once. Any student who fails in the supplementals of two major examinations in any one year shall be required to retire without the privilege of further supplementals.

A student is not allowed supplementals in three major examinations in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student is not allowed supplementals in two major and one minor examination in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A student in the final year may take a supplemental examination in one subject only at the end of the following September, but must present a certificate from the senior professor of the Department concerned that he has taken at least three months' extra tuition in this subject in one of the teaching hospitals of McGill Faculty of Medicine. If he should fail in this supplemental examination, he must repeat the year of study and pass all the major examinations at the completion of the session.

A student in the final year who fails in two subjects will not be permitted supplementals but must repeat the year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student will not be allowed to repeat a year more than once nor may he repeat a subsequent year if such repetition has been due to failure in examinations, except on special recommendation of the Promotion Committee, acting upon the motion of the representatives on the committee of the department concerned.

A student who has been permitted to repeat his year shall be required to make a C+ grade, which for this purpose is considered to be 65%, or he will not be permitted to continue his course.

A schedule of the times of major and minor examinations shall be published as a supplement to these ordinances at the beginning of each academic session.

Examinations, tests, reviews, etc., may be held during the session by any department in its time of instruction, provided that no more than



twenty-four (24) hours' notice is given. It is understood that such examinations, tests or reviews are conducted for the benefit of the student in order that he may have experience in the requirements of the sessional examinations, and further, that he and his teachers may know how he is progressing in his studies.

There shall be two Promotion Committees. The First Committee shall consist of representatives of the subjects of Anatomy, Biochemistry, Histology, Physiology, Pharmacology, Bacteriology, Parasitology, Pathology, and Endocrinology, appointed by the Dean, and the Dean and Secretary *ex officio*. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the first and second years. The second Committee shall consist of representatives of the Departments of Pathology, Bacteriology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynaecology and Pædiatrics, appointed by the Dean, and the Dean and Secretary *ex officio*. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the third and fourth years.

All results of examinations will be given out by the Dean's office, after they have been passed upon by the Promotion Committee. It is an absolute rule that no examination results shall be communicated by any other channel.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.

### GRADING

At the conclusion of each course, students are graded in five groups as follows:—

A=Excellent

B=Good

C=Fair

D=Doubtful

E=Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

The grade assigned to a student is based upon the results of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.



### FELLOWSHIPS, SCHOLARSHIPS, BURSARIES, MEDALS, PRIZES, AND LOAN FUNDS

Details of fellowships, scholarships, bursaries, medals, and prizes open to undergraduate and graduate students in Medicine, and of the University Loan Fund may be found in the Scholarships Announcement.

### REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.
2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University. (See page 1212).
3. No one is permitted to become a candidate for the degree who has not attended at least one full session at this University.
4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.
5. He must have attended during at least three sessions of nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.
6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.
7. Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

### REQUIREMENTS FOR LICENCE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before *beginning* the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a license to practise can be obtained.



N.B.—In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC—Dr. J. Paquin, 1896 Dorchester St. West, Montreal.

ONTARIO—Dr. Robert T. Noble, 566 University Ave. Toronto, Ont.

NEW BRUNSWICK—Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

NOVA SCOTIA—Dr. H. L. Scammell, 196 Atlantic St., Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. I. J. Yeo, Charlottetown, P.E.I.

MANITOBA—Dr. W. G. Campbell, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. W. Bramley Moore, 207 Alexandra Block, Edmonton, Alta.

SASKATCHEWAN—Dr. J. G. K. Lindsay, 415 Birks Bldg., Saskatoon, Sask.

BRITISH COLUMBIA—Dr. A. J. MacLachlan, 203 Medical-Dental Building, Vancouver, B.C.

The Registrar for Newfoundland is Dr. C. Macpherson, P.O. Box 5121, St. John's, Nfld.

#### DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.

#### GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION OF GREAT BRITAIN

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.



## COURSES OF INSTRUCTION

## ANATOMY

<i>Robert Reford Professor and</i>	
<i>Chairman of the Department</i> . . . . .	C. P. MARTIN
<i>Associate Professor of Histology</i> . . . . .	C. P. LEBLOND
<i>Assistant Professors of Anatomy</i> . . . . .	{ D. S. FORSTER
	{ S. M. FRIEDMAN
<i>Lecturer in Anatomy</i> . . . . .	E. WALTER WORKMAN
<i>Sessional Lecturer in Anatomy</i> . . . . .	R. M. H. POWER
<i>Teaching Fellow</i> . . . . .	J. GROSS

## REQUIRED COURSES

## 1. GROSS ANATOMY.

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms of the First Medical Year.

## 2. APPLIED ANATOMY.

One hour per week lecture and demonstration during the Winter and Spring terms of the Third Medical Year. This course is conducted mainly by clinicians from the Royal Victoria and Montreal General Hospitals.

(Suspended for duration of the war.)

*Text-books:*—Gray's "Anatomy" (English Edition) or Cunningham's "Text-Book of Anatomy."

*Practical Manuals:*—Cunningham's "Manual of Practical Anatomy;" Johnston's "Synopsis of Regional Anatomy."

*Optional Texts:*—Quain, Piersal, Spalteholz Atlas, Fraser's "Anatomy of the Human Skeleton," Buchanan, Fraser and Robbins, Larsell, Ramson.

## ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

## 3. ADVANCED NEURO-ANATOMY.

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton, assisted by Dr. Kershman. The class is limited to ten. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

## 4. PHYSICAL ANTHROPOLOGY.

Lectures and practical courses will be arranged for students when required.



MICROSCOPIC ANATOMY

REQUIRED COURSE

5. HISTOLOGY.

The study of the histological structure of the body. Two hours lectures and six hours laboratory work per week during the first 28 weeks of the First Medical Year.

*Text-book*:—Bailey, "Text-Book of Histology."

*Optional Texts*:—Cowdry, Lewis, and Bremer, Jordan, Maximow and Bloom (Schafer).

ELECTIVE COURSE

6. EXPERIMENTAL MORPHOLOGY.

Bi-weekly seminar. In this course current problems and discoveries in Experimental Morphology are discussed by members of the staff and graduate students.

EMBRYOLOGY

REQUIRED COURSE

THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY.

One hour per week lecture and three hours per week laboratory work during second half of the First Medical Year.

*Text-book*:—Arey, "Developmental Anatomy."

*Optional Texts*:—Jordan, Simkins, Bailey and Millar, Keith, Fraser.

PHYSIOLOGY

*Joseph Morley Drake Professor and*

*Chairman of the Department* . . . . . H. E. HOFF

*Research Professor* . . . . . { B. P. BABKIN (Post  
Retirement)

*Associate Professor* . . . . . N. GIBLIN

*Assistant Professors* . . . . . { S. DWORKIN  
RONALD GRANT\*

*Lecturer* . . . . . { KATHLEEN TERROUX  
PETER KELLAWAY

*Demonstrators* . . . . . { ARMINE ALLEY  
STEWARD R. COOPER  
R. F. TAYLOR

REQUIRED COURSES

I. FIRST YEAR LECTURES.

Tuesday, Thursday, Saturday, at 9 a.m. (beginning in October).

1P. FIRST YEAR LABORATORY.

Six hours a week during last 16 weeks.

*Text-books*:—

Systematic Physiology—Human.

Howell, Textbook of Physiology; Starling (and Evans), Human

Physiology; MacLeod (and Bard), Physiology in Modern Medicine.

\*On leave of absence.



## Clinical Physiology.

Samson Wright, Applied Physiology; Wiggers, Physiology in Health and Disease: Best and Taylor, Physiological Basis of Medical Practice.

## OTHER COURSES

(Available only for students who have obtained Honours in the Required Courses, and by application to the Chairman of the Department.)

## 3. ADVANCED LECTURES.

## 3P. ADVANCED LABORATORY

## BIOCHEMISTRY

*Professor and Chairman of the*

*Department*.....D. L. THOMSON

*Associate Professors*.....{ R. D. H. HEARD  
O. F. DENSTEDT

*Assistant Professor*.....K. A. C. ELLIOTT

*Sessional Lecturer*.....JUDITH COHEN

## COURSES OFFERED IN BIOCHEMISTRY

## FIRST YEAR

BIOCHEMISTRY I. Mon., Wed., Fri., at 9 a.m. (beginning in October).  
1L. Laboratory: Six hours a week October to February.

Drs. Thomson and Heard

*Text-books*:—Bodansky, "Introduction to Physiological Chemistry" (Wiley); Cameron, "Text-book of Biochemistry" (Macmillan); Williams, "Text-book of Biochemistry" (van Nostrand); Schmidt and Allen, "Fundamentals of Biochemistry" (McGraw-Hill); Mitchell, "Text-book of Biochemistry" (McGraw-Hill).

Other courses offered by the Department are listed in the Announcements of the Faculties of Arts and Science, and of Graduate Studies and Research.

## PATHOLOGY

*Strathcona Professor and Chairman  
of the Department*.....

G. LYMAN DUFF

*Associate Professor*.....THEO R. WAUGH

*Assistant Professors*.....{ ROBERT H. MORE  
J. E. PRITCHARD

*Lecturers*.....{ D. C. WILSON  
W. E. TORESON

{ W. H. MATHEWS

{ F. W. WIGLESWORTH

*Demonstrators*.....{ W. E. FINKELSTEIN  
R. C. ROSS

*Sessional Demonstrator*.....M. A. SIMON

{ G. J. COLOVIRAS

*Fellows*.....{ A. A. GORDON

{ S. D. KOBERNICK

{ J. D. RUBLEE



## REQUIRED COURSES

1. COURSE IN GENERAL PATHOLOGY (Second Year).
  - A. Two lectures per week (with epidiascopic and microscopic demonstrations) during the Winter and Spring terms (52 lectures).  
Professor Duff
  - B. Two practical laboratory classes per week during the Spring Term (80 hours practical work).  
Dr. Toreson and Demonstrators
2. COURSE IN SPECIAL PATHOLOGY (Third Year).
  - A. Two lectures per week during the Autumn, Winter and Spring Terms (72 lectures).  
Professor Duff, Professor Waugh, Professor More and Lecturers Lecturers.
  - B. Two practical laboratory classes per week during the Winter and Spring Terms (96 hours practical work).  
Professor Duff and Staff
  - C. One demonstration of gross pathological material per week to students in small groups of 15 each, during Autumn, Winter and Spring Terms (36 hours).  
Lecturers and Demonstrators
3. COURSE IN APPLIED PATHOLOGY (Third and Fourth Years.)
  - A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter and Spring Terms (54 hours). . . . . Professor Duff
  - B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter and Spring Terms. Time according to material.  
Pathological Institute. . . . . Professor Duff and Dr. Wilson  
Montreal General Hospital. . . . Dr. Pritchard and Dr. Mathews  
Children's Memorial Hospital. . . . Dr. Wigglesworth

*Text-books:*—MacCallum, A Text-Book of Pathology (Saunders); Karsner, Human Pathology (Lippincott); Boyd, Text-Book of Pathology (Lea & Febiger); Muir, Text-Book of Pathology (Arnold); Moore, Text-Book of Pathology (Saunders);

*Reference Books.*

*General:*—Bell, Text-Book of Pathology (Macmillan); Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Forbus, Reaction to Injury (Williams & Wilkins); Reimann,



Kaufmann's Pathology (Blakiston); Smith & Gault, Essentials of Pathology (Appleton Century); Ewing, Neoplastic Diseases (Saunders); Willis, The Spread of Tumours in the Human Body (Churchill);

*Special*:—Naegeli, Blutkrankheiten und Blutdiagnostik, (Julius Springer); Whitby & Britton, Disorders of the Blood (Churchill);

Biggart, Pathology of the Nervous System (Livingstone);

Buzzard and Greenfield, Pathology of the Nervous System (Churchill); Freeman, Neuropathology (Saunders);

Novak, Gynæcological & Obstetrical Pathology (Saunders);

Geschikter & Copeland, Tumours of Bone (American Journal of Cancer);

Farber, The Post Mortem Examination (Charles Thomas); Mallory, Pathological Technique (Saunders); Saphir, Autopsy Diagnosis and Technique (Hoeber).

### BACTERIOLOGY AND IMMUNOLOGY

*Professor and Chairman* . . . . . E. G. D. MURRAY

*Professor* . . . . . FREDERICK SMITH

*Assistant Professors* . . . . . { C. D. KELLY  
D. S. FLEMING  
G. G. KALZ  
J. W. STEVENSON

*Lecturers* . . . . . { J. DE VRIES  
G. D. DENTON  
D. S. NUNES

*Demonstrator*

(*Teaching Fellow*) . . . . . M. J. KAHNKE

*Research Associate* . . . . . CATHERINE MACPHERSON

### COURSES

All lectures and laboratory courses are given in the Department of Bacteriology (Pathological Institute).

#### 1. ELEMENTARY MEDICAL BACTERIOLOGY AND IMMUNOLOGY.

30 Lectures and 63 hours practical work commencing September, 1st Medical Term 2nd Year.

Available to Medical students on the satisfactory completion of their studies in Anatomy, Physiology, Histology and Biochemistry.

#### 2. APPLIED MEDICAL BACTERIOLOGY AND IMMUNOLOGY AND THE PROCESSES OF INFECTIOUS DISEASES.

20 Lectures and 40 hours of demonstrations commencing November 15th, 2nd Medical Term 2nd Year.



3. BACTERIOLOGY AND IMMUNOLOGY for Honours B.Sc. Degree.

The class is limited in size and priority is given to Honours students in their fourth year. Students in the Faculty of Graduate Studies are admitted only if they have suitable qualifications and if there are vacancies.

77 Lectures and 308 hours practical work with 50 hours discussion periods throughout the year (3 full courses). Biochemistry 5 (Lectures only) is compulsory. One other course is to be selected by the students.

Students must provide themselves with microscopes; these can be hired from the Purchasing Department.

4. ELEMENTARY BACTERIOLOGY. One full course.

43 Lectures and 81 hours of practical work.

Available to the students of the Faculty of Arts and Science and to Graduate Students.

Students must provide themselves with microscopes; these can be hired from the Purchasing Department.

5. DENTAL BACTERIOLOGY AND IMMUNOLOGY.

30 Lectures and 60 hours practical work. Time to be arranged with the Dental Faculty.

Available to Dental students in their second year.

6. BACTERIOLOGY AND IMMUNOLOGY for the M.Sc. Degree.

7. APPLIED PUBLIC HEALTH BACTERIOLOGY AND IMMUNOLOGY.

Available to Medical students in their second and third years in association with the Department of Health and Social Medicine.

8. APPLIED BACTERIOLOGY FOR GRADUATE NURSES.

(CERTIFICATE COURSE).

22 Lectures and 19 hours practical work. Available only to students in the School of Graduate Nurses commencing October to December in the First Term.

9. PUBLIC HEALTH BACTERIOLOGY AND IMMUNOLOGY.

Available to Post Graduate students for the Diploma or Master's Degree in Public Health. In association with the Department of Health and Social Medicine.



# 10. SEMINARS ON APPLIED BACTERIOLOGY IN RELATION TO PARTICULAR NURSING PROBLEMS (DEGREE COURSE).

14 periods of 2 hours commencing January for 14 weeks in the second Term. Available only to nurses taking the Degree Course and on the successful completion of Course 8. Limited to 20 students.

*Text-books*.—Hans Zinsser and G. Bayne-Jones, Textbook of Bacteriology (Appleton); R. Muir and J. Ritchie, Manual of Bacteriology (Oxford University Press); R. T. Hewlett and James McIntosh, Manual of Bacteriology (Churchill); T. J. Mackie and J. E. McCartney, Practical Bacteriology (Livingstone); J. W. Bigger, Handbook of Bacteriology (Bailliere Tindall & Cox); Hans Zinsser, Resistance to Infectious Diseases (Macmillan); W. W. C. Topley and G. S. Wilson, The Principles of Bacteriology and Immunity (Edward Arnold & Co.); W. W. C. Topley, An Outline of Immunity (Arnold); M. Langeron, *Precis de Microscopie* (Masson & Cie); D. H. Bergey, Manual of Determinative Bacteriology (Williams & Wilkins); E. O. Jordan and W. Burrows, Text-Book of Bacteriology (Saunders); Frederick P. Gay, Agents of Disease and Host Resistance (C. C. Thomas); N. P. Sherwood, "Immunology" (Mosby Co.); H. Zinsser, J. F. Enders, L. D. Fothergill, "Immunity Principles and Application in Medicine and Public Health" (Macmillan Co.); R. W. Fairbrother, A Text-book of Medical Bacteriology (W. Heineman, Ltd.); R. J. Dubos, "The Bacterial Cell" (Harvard University Press); K. Landsteiner, "The Specificity of Serological Reactions" (Harvard University Press); F. M. Burnet, "Virus as Organism" (Harvard University Press).

## PARASITOLOGY

*Professor and Chairman of the*

*Department* . . . . . T. W. M. CAMERON

*Assistant Professor* . . . . . M. J. MILLER

*Lecturers* . . . . . { E. MUNROE  
L. P. E. CHOQUETTE

## REQUIRED COURSES

### SECOND YEAR

- 2A. HUMAN PARASITOLOGY.—This course on the animal parasites of man (protozoa, helminths and arthropods) comprises about 50 hours of instruction. Special attention is given to parasites found in North America, their diagnosis, bionomics and pathogenesis as well as to the more important animal vectors of disease. Exotic forms are more briefly discussed. In the practical class, each student examines all the important species as well as the lesions caused by them.



First term— Two lectures and one laboratory period per week.

ELECTIVE COURSES.—The Department not only provides facilities for advanced research work at the Institute of Parasitology, but offers didactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research).

*Text-book*.—Cameron, T. W. M., "The Parasites of Man in Temperate Climates" (2nd edition).

## HEALTH AND SOCIAL MEDICINE

*Strathcona Professor and*

*Chairman of the Department* . . . R. P. VIVIAN

*Assistant Professors* . . . . .

{ C. W. MACMILLAN

{ D. C. BEWS

{ R. VANCE WARD

{ BARUCH SILVERMAN

{ MARION WALL

{ GRAHAM ROSS

*Lecturers* . . . . .

{ I. M. RABINOWITCH

{ W. H. CRUICKSHANK

{ H. E. BURKE

*Demonstrator* . . . . .

{ AGNES M. FERENCZ

The instruction in Health and Social Medicine given to the medical undergraduates is designed to meet the requirements of the practitioner in Medicine. The importance of the subject is kept before the student throughout his course. Particularly stressed are the needs and opportunities in preventive medicine, and its social implications.

It is the aim of the Department to correlate the teaching of preventive medicine with the teaching of other departments in their special fields.

In First Year, Medical Sociology is the main subject. This leads to a presentation of the historical and contemporary background, and of the development of the public health system; the various plans for medical care are discussed.

The Second Year curriculum comprises didactic lectures, group work and field trips. The subjects cover Sanitation, Water, Milk and Food Control, Nutrition, Medical Statistics, and the Control of Communicable Diseases.



In Third Year, the hygienes are introduced, and students see the practical application of the lectures by means of field trips to tuberculosis and venereal disease clinics, industrial plants, pre-natal, infant and school hygiene services, the care of the aged, and the operation of the Student Health Service. In Third Year also are given lectures in Medical Jurisprudence and Industrial Toxicology.

In Fourth Year, it is hoped to maintain still closer contact with the students through small seminar groups, special studies, etc.

*References:*—Smillie, Mustard, Rosenau, Bradford-Hill.

## PHARMACOLOGY AND THERAPEUTICS

<i>Professor and Chairman of the</i>	
<i>Department</i> . . . . .	R. L. STEHLE
<i>Associate Professor of</i>	
<i>Therapeutics</i> . . . . .	D. S. LEWIS
<i>Associate Professor of</i>	
<i>Pharmacology</i> . . . . .	K. I. MELVILLE
<i>Assistant Professor of</i>	
<i>Pharmacology</i> . . . . .	A. M. FRASER
<i>Lecturer in Therapeutics</i> . . . . .	W. DE M. SCRIVER

## PHARMACOLOGY

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

### REQUIRED COURSES

1A. PHARMACOLOGY. The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Three lectures a week during the Winter Term supplemented by one conference and one demonstration a week. Second Year.

The conference groups are limited to four students each.

Professors Stehle, Melville and Fraser

1B. PHARMACOLOGICAL LABORATORY. The experiments are chosen to illustrate the lecture course.

Two periods (six hours) a week during the Winter Term. Second Year.

Professors Stehle, Melville and Fraser



# THERAPEUTICS

The teaching of therapeutics will be closely linked with that of medicine.

## REQUIRED COURSES

2. PHARMACY AND PRESCRIPTION WRITING. Five lectures and five laboratory periods.  
Dr. Scriver
- 3A. THERAPEUTICS: Didactic Instruction. A series of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.
- 3B. THERAPEUTICS: Theatre Lectures. Fifteen clinical lectures to be given in the hospitals during the year in conjunction with the teaching of the Department of Medicine.  
Dr. Lewis and Associates

*Text-books in Pharmacology.* Cushny, Sollmann, Clark, Thienes.  
*Text books in Therapeutics.* Beckman, Lyon, Reiman, Goodman and Gilman.

## OPTIONS

Suitably prepared students may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

# MEDICINE

Professors.....	{	G. R. BROW
	{	J. S. L. BROWNE
	{	L. C. MONTGOMERY
Associate Professors ...	{	E. H. MASON,
	{	E. S. MILLS, I. M. RABINOWITCH
	{	C. C. BIRCHARD, K. A. EVELYN,
Assistant Professors ....	{	NEIL FEENEY, M. HOFFMAN,
	{	J. KEITH GORDON, BRAM ROSE,
	{	J. KAUFMANN, D. S. LEWIS,
	{	H. S. MITCHELL, J. H. PALMER,
	{	J. F. MCINTOSH, W. DE M. SCRIVER,
	{	C. G. SUTHERLAND, C. J. TIDMARSH,
Lecturers.....	{	L. J. ADAMS, MICHAEL ARONOVITCH,
	{	C. S. BARKER, R. C. BENNETTS,
	{	E. H. BENSLEY, J. O. W. BRABANDER,
	{	H. E. BURKE, G. A. COPPING,
	{	R. A. CLEGHORN, A. F. FOWLER,
	{	G. W. HALPENNY, W. H. D. HILL,



<i>Lecturers</i> ..... (Contd.)	{ J. G. HOWLETT, W. R. KENNEDY, LOUIS LOWENSTEIN, J. F. MEAKINS, D. L. MENDEL, H. N. SEGALL, McIVER SMITH, A. T. THOM, S. R. TOWNSEND, R. VANCE WARD, H. P. WRIGHT.
	{ D. BARZA, F. M. BOURNE, WM. COHEN, H. I. CRAMER, B. R. CUDDIHY, W. W. EAKIN, ALEC GORDON, GUY HAMEL,
<i>Demonstrators</i> .....	{ R. G. M. HARBERT, A. W. LAPIN, H. E. MACDERMOT, R. D. McKENNA, W. G. McLELLAN, S. ORTENBERG, BASIL ROBERTSON, C. B. SMITH, G. E. WIGHT.

## DERMATOLOGY

<i>Clinical Professors</i> .....	{ J. F. BURGESS L. P. EREAUX
<i>Lecturers</i> .....	{ F. KALTZ D. S. MITCHELL B. USHER

## CLINICAL THERAPEUTICS

<i>Associate Professor</i> .....	D. S. LEWIS
<i>Assistant Professor</i> .....	C. W. FULLERTON
<i>Lecturers</i> .....	{ W. DE M. SCRIVER GUY FISK ( <i>Physiotherapy</i> )

## TOXICOLOGY AND MEDICAL JURISPRUDENCE

A series of twenty-four lectures and demonstrations.

Professor Rabinowitch

*Toxicology:* 1. DEFINITIONS; 2. OCCURRENCE OF POISONING—Accidental. (Food. Industrial. Clothes and Cosmetics. Patent Medicines. Therapeutic. Other). Suicidal. Homicidal. 3. MODE OF ACTION OF POISONS: Modifying Causes—Form. Amount. Mode of Entry into



Body. Age. Habit. Sleep. Physical Condition of Subject. Idiosyncrasy. Other. 4. CLASSIFICATION OF POISONS. 5. ACUTE POISONING: Diagnosis—Similarity Between Poisoning and Disease. General Evidence of Poisoning. Rules for Diagnosis. TREATMENT: Principles. General Treatment. Antidotes—Limitations. 6. LEGAL: Control of Poisons—Dangerous Drugs Acts and Regulations. Relation of Doctor to Pharmacist. Administration of Noxious Drugs. Narcotics. 7. MEDICO-LEGAL CONSIDERATIONS IN CASES OF POISONING: Accident. Suicide. Murder. Duty of Doctor—In Suspected Cases. In Known Cases. Post-mortem examinations in Cases of Poisoning.

*Medical Jurisprudence:* A. 1. INTRODUCTION: Definitions—Law. Medicine. Forensic Medicine. 2. LEGAL POSITION OF DOCTORS. 3. OBLIGATION OF DOCTOR TO THE STATE: Medical Notifications and Certifications—Births. Stillbirths. Infectious Diseases. Deaths. Other. 4. RESPONSIBILITIES TO PATIENT: Implied and Expressed Contracts. Professional Secrecy. Privileged Communications. Medico-legal Aspects of Physical Examinations—Consent. 5. MALPRACTICE: Civil. Criminal. Negligence. Contributory Negligence. Errors of Commission. Consultations. Responsibility for Assistants. "Reasonable Care and Judgment". B. LEGAL CRIMINAL PROCEDURE: 1. INVESTIGATION OF SUDDEN DEATHS AND DEATHS FROM UNNATURAL CAUSES—Coroner's Court. 2. MEDICAL EVIDENCE IN COURTS OF LAW: a. Documentary. b. Oral. c. Experimental. 3. GENERAL RULES OF CONDUCT FOR MEDICAL WITNESSES: Professional Secrecy. Privileged Communications. Precognitions. Fees. C. MEDICO-LEGAL ASPECTS OF DEATH: 1. Signs of Death. 2. Apparent Death. 3. Proximate Causes of Death. 4. Sudden Death. 5. Presumption of Death—Presumption of Survivorship. 6. Medico-Legal Forms of Death. 7. Post-Mortem Examinations for Medico-Legal Purposes. 8. Identification of the Dead. D. PERSONAL IDENTITY IN ITS MEDICO-LEGAL BEARINGS: For Civil Purposes. For Criminal Purposes. Mistaken Identity. E. BLOOD STAINS: Medico-legal information from Blood Stains. Blood Grouping. F. WOUNDS: 1. Legal Definition. 2. Types. 3. Medico-legal Examination of a Wounded Person. 4. Causes of Death from Wounds: 5. Wounds after Death. G. MEDICO-LEGAL ASPECTS OF PREGNANCY. H. ABORTION: Duty of Doctor in Cases of Suspected Criminal Abortion and in Cases of Known Criminal Abortion. I. IMPOTENCE AND STERILITY. J. RAPE. K. INFANTICIDE. L. MENTAL UNSOUNDNESS: Medical Certification of the Insane. Protection of Certifying Physicians. Admission of Voluntary Patients to Institutions for the Insane. M. DRUNKENNESS: 1. Diagnosis: Clinical. Chemical. 2. Medico-legal Aspects—Civil. Criminal.

*Text and Reference Books:*—Buchanan's Text Book of Forensic Medicine and Toxicology. Medical Jurisprudence and Toxicology—Glaister. Forensic Medicine—Kerr. Forensic Medicine—Littlejohn. Legal Medicine and Toxicology—Gonzales, Vance and Helpert. Toxicology—



McNally. Forensic Medicine—Sydney Smith. Recent Advances in Forensic Medicine—Sydney Smith and Glaister. Taylor's Principles and Practice of Medical Jurisprudence.

#### THE CURRICULUM IN THE DEPARTMENT OF MEDICINE

##### FOREWORD

The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students, teachers and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The University lectures and clinical lectures are open to students of all years. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

##### REQUIRED COURSES

###### SECOND YEAR

Course II 1—*Integration of Physiology, Biochemistry and Anatomy with Medicine.*

Time—Last term of Second Year—Two lectures a week and one amphitheatre clinic.

Place—Medical Building. Montreal Neurological Institute Theatre.

*Subject Material*—This course covers in a systematic manner the deviations from the normal of the physiological and biochemical functions. These are correlated so as to explain symptoms and signs which may be found on physical examination as detected by clinical methods dealt with in Course II 2. This course follows a chronological order from birth to old age and is so interpreted as to give the student a panoramic view of these disturbances with a proper perspective. Professors ——— and Browne.



Course II 2—*A Practical Course in Clinical Methods.*

Time—Last term of Second Year.

Place—Outpatient Dept. of the Royal Victoria and the Montreal General Hospitals.

Subject—Practical instruction 4 hours a week on Normal and Abnormal Physical Signs and one amphitheatre clinic.

Course II 3—*Laboratory Diagnosis.*

Time—Last term of Second Year.

Place—Medical Building.

Subject—Instruction and practice 2 periods a week in microscopy as applied to clinical medicine.

Asst. Prof. McIntosh and Assistants

THIRD YEAR

Course III 4—*Amphitheatre Clinics in General Medicine.*

Time—Once weekly throughout year.

Place—Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.

Course III 5—*Bedside Clinics and Practical Demonstrations.*

Time—Twice weekly during the medical trimester.

Place—Wards of the Royal Victoria and the Montreal General Hospitals.

Course III 6—*Clinico-Pathological Conference*

Time—Weekly during the medical trimester.

Place—The Royal Victoria and the Montreal General Hospitals.

Course III 7—*Case Reporting.*

During the trimester in Medicine students will be assigned patients in the wards. They will be required to write case histories, make a general examination, note progress, and do such laboratory investigations as are within their scope and have access to all other Laboratory and X-Ray findings.

Course III 8—*A Practical Course in Diseases of Metabolism.*

Time—Weekly during the medical Trimester.

Place—Royal Victoria and the Montreal General Hospitals.

Subject—This course consists of weekly Ward Rounds in the two Hospitals.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting Medicine.



## FOURTH YEAR

Course IV 9—*Amphitheatre Clinics in General Medicine.*

Time—Once a week throughout year.

Place—Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating more complicated cases as compared to the third year.

Course IV 10—*Bedside Clinics and Practical Demonstration.*

Time—Twice weekly during medical quarter.

Place—Wards of the Royal Victoria and the Montreal General Hospitals.

Course IV 11—*Clinico-Pathological Conference.*

Time—Once a week during medical quarter.

Place—Royal Victoria and the Montreal General Hospitals.

Course IV 12—*A systematic course of lectures designed to give a general survey of laboratory procedures and their interpretation.*Course IV 13—*Clinical Therapeutics—practical bedside instruction.*

Time—Once a week during the medical quarter.

Place—Royal Victoria and the Montreal General Hospitals.

Course IV 14—*A Course of Lectures in Medicine.*

Time—One period a week throughout year.

Place—Medical Building.

Subject—Lectures in General Medicine to give a panorama of the subject.  
Professor ——— and assistantsCourse IV 15—*A course of lectures in Dermatology.*

Time—One period a week throughout the year.

Place—Medical Building.

Subject—Lectures in Dermatology and Syphilology.

Course IV 16—*Dermatology and Syphilology—practical instruction.*

Time—Twice a week during one quarter.

Place—Montreal General and Royal Victoria Hospitals.

## TEXT AND REFERENCE BOOKS

*Clinical Methods and Physical Diagnosis*:—Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Major, "Physical Diagnosis"; Murray, "Examination of the Patient"; Gradwohl, "Clinical Laboratory Methods and Diagnosis"; Hutchison and Hunter, "Clinical Methods"; Cabot & Adams, "Physical Diagnosis"; Department of Medicine, McGill University, "Guide to Medical Case Reporting".



*General Medicine*:—McLeod, "Physiology in Modern Medicine"; Best and Taylor, "Physiological Basis in Medical Practice"; Meakins, "Practice of Medicine"; Cecil, "Text Book of Medicine"; Davis, "Cyclopedia of Medicine"; White, "Heart Disease"; Norris and Landis, "Diseases of the Chest"; Eusterman and Balfour, "Stomach and Duodenum"; Hurst and Stuart, "Gastric and Duodenal Ulcer"; Joslin, "Diabetic Manual"; "Treatment of Diabetes Mellitus"; McLester, "Nutrition and Diet in Health and Disease"; Peters and Van Slyke, "Quantitative Clinical Chemistry"; Vol. I, Interpretations; Kurzrok, "The Endocrines in Obstetrics and Gynaecology"; "Pharmacopœa of the Teaching Hospitals".

*Dermatology*:—Walker, "Introduction to Dermatology"; MacLeod, "Diseases of the Skin"; Sutton and Sutton, "Diseases of the Skin"; Ormsby, "Diseases of the Skin".

## PSYCHIATRY

*Professor and Chairman*..... D. E. CAMERON

{ R. A. CLEGHORN

{ F. R. HANSON

{ R. B. MALMO

{ A. E. MOLL

*Assistant Professors*..... { MIGUEL PRADOS

{ G. E. REED

{ BARUCH SILVERMAN

{ KARL STERN

{ MILTON GRAY

*Lecturers*..... { A. A. MCKAY

{ T. E. DANCEY

{ J. BEAUBIEN

{ H. HERSHON

*Demonstrators*..... { LLOYD HISEY

{ H. LEHMAN

{ C. A. SKITCH

*Research Associate*..... EDRLTA FRIED

## FOREWORD

Instruction in human behaviour is given in all four years. Emphasis is placed upon the personality factor in all forms of illness. Consequently, teaching is carried on in close relation with other aspects of medicine. It is planned to take full advantage of the teaching facilities not only of the Institute but of the wards and out-patient departments of the Royal Victoria Hospital and of the Montreal General Hospital.

Special prominence is given to those psychological and personality situations which the student will meet after graduation in his day to day teaching. Instruction in military psychiatry and in child psychiatry is given in the final years.



## REQUIRED COURSES

1. **PSYCHOBIOLOGY**—A course of twelve lectures will be given in the first year. In this course, the various aspects of human behaviour will be stressed, with special reference to their relationship to medicine.  
Dr. Cameron
2. **PSYCHIATRY**—Eighteen lectures on the basis behavioral disorders will be given. During the second year both those disorders which require hospitalization and those which can be dealt with on an ambulant basis will be considered.  
Dr. Reed and Assistants
3. 70 hours of clinical instruction will be given during the third year. This instruction will be held primarily on the wards of the teaching hospitals and in the Out Patient Departments.  
Drs. Hanson, Prados, Moll, and Dancy
4. A course of eight lectures will be given on child psychiatry during the fourth year.  
Dr. Silverman
5. Clinical demonstrations, out-patient instruction and ward rounds will be held during the fourth year. Certain of these will be devoted to early behavioral disturbances, psychosomatic and toxic states, and drug addictions.  
Drs. Cameron, Stern and MacKay
6. Instruction will be given in adult out-patient psychiatry in the Psychiatric Outdoor Department in the Royal Victoria Hospital, and in child out-patient psychiatry at the Mental Hygiene Institute.  
Drs. Prados and Silverman
7. Instruction in the care of long term cases, and institutional psychiatry, will be given at the Allan Memorial Institute and Verdun Protestant Hospital.  
Drs. Reed, Skitch and Lehman

## PAEDIATRICS

*Associate Professor and*

Chairman ..... ALTON GOLDBLOOM

*Associate Professors* .....

{ S. G. ROSS

{ L. M. LINDSAY

*Assistant Professors* .....

{ H. L. BACAL, A. K. GEDDES

{ ALAN ROSS

*Lecturers* .....

{ P. N. MACDERMOT

{ JESSIE SCRIVER

{ B. BENJAMIN,

{ H. FRIEDMAN-BRICKMAN,

{ R. L. DENTON, S. I. DOUBILET,

{ D. KLEIN, A. LAX,

*Demonstrators* .....

{ FRANCES MCCALL,

{ D. R. MCCRIMMON, J. H. O'NEILL,

{ F. SHIPPAM, CAMERON STEWART,

{ S. J. USHER, E. M. WORDEN,

{ ISOBEL WRIGHT



## REQUIRED COURSES

## 1. LECTURES:

(a) An Introductory course of 10 lectures in the winter term of the second year covering physical and intellectual development of the infant and child, the bases of nutritional requirements of the growing child mineral and water metabolism, the embryology of congenital defects.

(b) A series of 36 lectures once weekly during the third year designed to cover the various aspects of Diseases of Children; Nutrition, Hygiene, Infections, Communicable Diseases, Preventive Medicine etc.  
Professor Goldbloom and Staff

## 2. DISEASES OF THE NEWBORN: Royal Victoria Maternity Pavilion.

A weekly clinic-demonstration to groups of students of the third year during their obstetrical quarter.

Professors Goldbloom and G. Ross, Drs. Geddes, A. Ross, Scriver and Worden

## 3. CLINICAL PAEDIATRICS:

(a) During the third year the class is divided into groups, each group devoting the mornings of six weeks to Clinical instruction at the Children's Memorial Hospital.

(b) Groups during the final year will spend four weeks entirely at the Children's Memorial Hospital as clinical clerks under tutors—3 or 4 students to each tutor. Work will be divided between the wards and the out-patients department.

Professors Goldbloom, G. Ross, Lindsay and Staff

(c) Care and feeding of the normal infant, immunization procedures, preventive paediatrics; Child Welfare Clinics.

Drs. Scriver, Usher, Doubilet, Benjamin

(d) Infectious Diseases.

A series of demonstrations to groups of students on the common infectious diseases is given at the Alexandra Hospital as part of the instruction of the final year.

Drs. Worden, C. Stewart

*Text-books:* Holt and McIntosh, "Diseases of Infancy and Childhood"; Mitchell and Nelson, "Diseases of Infants and Children"; Porter and Carter, "Management of the Sick Infant and Child"; Brown and Tisdall, "Common Procedures in Paediatrics"; Smith, "Physiology of the New Born Infant"; Goldbloom. "Care of the Child".

*Reference Books:* Brenneman, "Practice of Paediatrics" (4 volumes); Parsons and Barling, "Diseases of Infancy and Childhood" (2 volumes); Langdon, "Home Guidance for Young Children"; Abt's "Paediatrics" (8 volumes); Still, "Common Disorders and Diseases of Childhood"; John Thomson, "Clinical Study and Treatment of Sick Children"; Von Reuss, "Diseases of the New Born." Gesell, "The Embryology of Behaviour"; Patten, "Human Embryology".



## DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

<i>Professor of Neurology and Neuro-</i>	
<i>surgery, Chairman of Department . .</i>	WILDER PENFIELD
<i>Associate Professor of Neurosurgery . .</i>	WILLIAM CONE
<i>Associate Professor of Neurology . . . .</i>	DONALD MCEACHERN
<i>Clinical Professor of Neurology . . . .</i>	F. H. MACKAY
<i>Assistant Professors of Neurology . . .</i>	{ K. A. C. ELLIOTT
	{ FRANCIS MCNAUGHTON
	{ ARTHUR W. YOUNG
<i>Assistant Professor of Neurosurgery . .</i>	ARTHUR ELVIDGE
<i>Assistant Professor of</i>	
<i>Neurological Radiology . . . . .</i>	D. L. McRAE
<i>Asst. Professor of Neurophysiology . .</i>	HERBERT JASPER
<i>Lecturers in Neurology . . . . .</i>	{ JOHN KERSHMAN
	{ J. PRESTON ROBB
<i>Lecturer in Neurosurgery . . . . .</i>	T. R. RASMUSSEN
<i>Demonstrator in Neurology . . . . .</i>	A. A. BAILEY
<i>Demonstrator in Neuropathology . . . .</i>	H. STEELMAN
<i>Demonstrators in Neurosurgery . . . .</i>	{ W. K. WELCH
	{ H. W. ELLIOTT
	JOHN BATES, JACOB CHANDY
	ARLINDO CONDE
	DAVID DALY
	WILLIAM F. GERBER
	CLARENCE GREENE*
	LLOYD G. HISEY
	BRUCE C. HOLMAN
	JOHN HUNTER
	ANDREW KELEN
<i>Fellows of the Montreal</i>	ROBERT KNIGHTON**
<i>Neurological Institute . . . . .</i>	KRISTIAN KRISTIANSEN
	CHOH-LUH LI
	GABRIEL MAZARS***
	FRANCIS H. O'BRIEN
	EDUARDO PALMA
	JOSEF PAVROVSKY*
	REUBEN RABINOVITCH
	T. R. RASMUSSEN
	NORMAN SLOAN
	THOMAS J. SPEAKMAN****
	DONALD B. TOWER
	J. E. ZIEGLER

\*Rockefeller Fellowship

\*\*U.S. National Research Council Fellowship

\*\*\*Travelling Fellowship, French Government

\*\*\*\*National Research Council Fellowship



## OUTLINE OF COURSES, 1947-48

## SECOND YEAR

- 2A. *Clinical Neuroanatomy and Neurophysiology*. 4 lectures. Department of Medicine.

Assistant Professor McNaughton

- 2B. *Physical Examination of the Nervous System*. 2 theatre clinics. Department of Medicine (1 at M.G.H., 1 at R.V.H.).

Clin. Professor F. H. MacKay

- 2C. (*Anatomy 7*) *Neuroanatomy*. Lectures and Laboratory. Department of Anatomy.

Assistant Professor McNaughton and Dr. Bailey

## THIRD YEAR

- 3A. *Survey of Neurology and Neurosurgery*. 24 lectures. Saturdays, 8:45—9:40, Sept. 7—Mar. 1. M.N.I. Amphitheatre.

Professor Penfield and Assistant Professor McNaughton

## FOURTH YEAR

- 4A. *Neurological and Neurosurgical Clinics*. 20 theatre clinics. Saturdays, 9:45—10:45, Nov. 2—Mar. 29. M.N.I. Amphitheatre.

Associate Professor Cone and Assistant Professor McEachern

- 4B-1 *Neurological O.P.D.* R.V.H. Outpatient Department. Monday and Thursday\*, 2:00—3:00.

Assistant Professor McEachern and assistants

- 4C-1 *Neurology Ward Classes*. Department of Medicine. Wednesdays, 8:45—9:45 (R.V.H. group).

Assistant Professor McEachern

- 4B-2 *Combined Neurological O.P.D. and Ward Classes*. M.G.H. Mondays & Fridays, 2:00—3:00 (M.G.H. group).

- 4C-2 Clinical Professor F. H. Mackay and assistants

- 4D-1 *Neurosurgery Ward Classes*. Department of Surgery. M.N.I. (R.V.H. group). Mondays, 1:00—2:00.

Associate Professor Cone

- 4D-2 *Neurosurgery Ward Classes*. Department of Surgery. M.N.I. (M.G.H. group). Thursdays, 2:00—3:00.

Assistant Professor Elvidge

- 4E-1 *Neurology Seminar*. R.V.H. Outpatient Department. Tuesdays, 3:45—4:45.

Assistant Professor McNaughton

- 4E-2 *Neurology Seminar*. M.G.H. Outpatient Department. Fridays, 3:00—4:00.

Assistant Professor McNaughton

\*Two Thursdays per month only.



## ELECTIVE COURSES.

- I. *Seminar in Neuroanatomy.* M.N.I. 4 hours weekly (12 weeks).  
Lectures and construction of brain model. Two evenings, beginning  
in November.

Assistant Professor McNaughton and Dr. Kershman

- II. *Seminar in Neurophysiology.* M.N.I. 3 hours weekly (12 weeks).  
Laboratory demonstrations, lectures and discussions. Mondays,  
5-6 and 8-10 P.M., beginning in February.

Assistant Professor Jasper

- III. *Colloquium in Clinical Neurology.* 2 hours weekly. Clinics and  
lectures, Wednesdays, 5 P.M.

Assistant Professor McEachern

- IV. *Colloquium in Neurosurgery and Electroencephalography.* M.N.I.  
1 hour weekly. Fridays, 4 P.M. (10 months).

Professor Penfield and Assistant Professor Jasper

## SURGERY

*Professor and Chairman of the*

*Department*.....G. GAVIN MILLER

*Professor*.....FRASER B. GURD

*Associate Professors*.....{ J. C. ARMOUR, H. M. ELDER,  
R. R. FITZGERALD  
D. E. ROSS, A. L. WILKIE

*Assistant Professors*.....{ H. L. DAWSON  
MERCIER FAUTEUX  
C. M. GARDNER  
J. C. LUKE, C. A. MCINTOSH,  
D. W. MACKENZIE, JR.  
L. H. MCKIM, S. J. MARTIN,  
H. S. MORTON, H. F. MOSELEY,  
ALBERT ROSS, P. G. ROWE,  
A. J. STEWART

*Lecturers*.....{ H. A. BAXTER, S. G. BAXTER,  
H. S. DOLAN, JOHN GERIE,  
MARK KAUFMANN  
G. D. LITTLE  
E. A. MCNAUGHTON  
H. G. PRETTY  
A. M. VINEBERG  
D. R. WEBSTER

*Demonstrators*.....{ F. D. ACKMAN, A. R. BAZIN,  
E. H. CAYFORD, E. M. COOPER,  
W. M. COUPER, G. A. HOLLAND,  
C. K. MCLEOD  
W. W. RUDDICK, J. C. SUTTON



## ORTHOPAEDIC SURGERY

<i>Assistant Professors</i> .....	{ J. G. PETRIE J. G. SHANNON
<i>Demonstrators</i> .....	{ S. E. GOLDMAN J. A. L. WALKER W. G. BRECKENRIDGE

## UROLOGY

<i>Clinical Professors</i> .....	{ R. E. POWELL E. S. SMITH
<i>Lecturers</i> .....	{ A. B. HAWTHORNE S. A. MACDONALD R. G. REID M. I. SENG
<i>Demonstrators</i> .....	{ J. T. MACLEAN MAX RATNER ALEX. STRASBERG A. M. J. TANNEY

## REQUIRED COURSES

## SECOND YEAR

Surgical teaching begins in the spring term (16 weeks) of the Second Year. In this year special attention is directed to the instruction and training of the student, in proper methods of physical examination, from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

- 2A. *A course of lectures* (16) covering the history of Surgery and an introduction to the study of surgical diseases. This course includes five lectures on "First Aid."
- 2B. *Group classes* in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

## THIRD YEAR

The student comes into a more intimate contact with the patients, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, and assists at operations.



- \*3A. *Amphitheatre Clinics and Demonstrations* in the Montreal General and Royal Victoria Hospitals, two days a week throughout the year.
- 3B. *Group Ward classes* in the Montreal General and the Royal Victoria Hospitals, three times a week during the term.
- 3C. *Case Reporting*. Patients are allotted to students who act as reporters, dressers, and assistants at operations.

## FOURTH YEAR

- \*4A. *Amphitheatre Clinics and Demonstrations* in the Montreal General and Royal Victoria Hospitals alternately, once a week throughout term.
- 4B. *Group Ward Classes and Ward rounds* in the Montreal General and Royal Victoria Hospitals, four times a week during the surgical quarter.
- 4C. *Case Reporting*
- 4D. *Clinico-Pathological conferences* once a week during the term, jointly with the Department of Pathology, at the Montreal General and Royal Victoria Hospitals.

SURGICAL DISEASES OF CHILDREN.—Instruction in the surgical diseases of children is given during the trimester in which the students are assigned to pædiatrics at the Children's Memorial Hospital, as follows:—

- 4A. *Amphitheatre Clinics* once a week throughout trimester.
- 4B. *Group Ward Classes* three times a week throughout trimester.

## ORTHOPAEDIC SURGERY

## FOURTH YEAR

- 4A. *Clinical Lectures*. A course of 8 lectures given at the hospitals.
- 4B. *Ward Classes* at the Montreal General and Royal Victoria Hospitals, once a week during the surgical trimester.
- 4C. *Group Classes in the Out-door Department* of the Montreal General and Royal Victoria Hospitals, twice a week during the surgical trimester.

ANAESTHESIA.—Instruction in anaesthesia is given by the Department of Pharmacology and Clinical Therapeutics. Students are given practical instruction in the administration of anaesthetics, during their surgical trimesters in the Third and Fourth Years at the Montreal General and Royal Victoria Hospitals.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology and Bacteriology.

\*Amphitheatre Clinics 3A and 4A are so arranged that all surgical subjects are presented during the two year course.



The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

## SECOND YEAR

## UROLOGY

2A. *Clinical Urology*

Group classes, 4 demonstrations, in which instruction in methods of Urological examination is given in the Montreal General and Royal Victoria Hospitals.

(See Surgery—2B).

## FOURTH YEAR

4A. *Clinical Lectures*—a course of theatre clinics in each of the hospitals.

4B. *Urological Clinics*—Ward Classes

The Montreal General Hospital—3 classes a week.

Royal Victoria Hospital—3 classes a week

4C. *Case Reporting in Urological Wards.*

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics and demonstrations and group teaching in the wards and out-patient departments of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

*Text-books:—*

1. *General Surgery*: John Homans, "A Text-book of Surgery"; Choyce, C. C., "A System of Surgery"; Gask and Wilson, "Surgery"; Hamilton Bailey, "Demonstrations of Physical Signs in Clinical Surgery"; Christopher; Cole and Elman; Romanis and Mitchener; Handfield, Jones and Porrett, "The Essentials of Modern Surgery"; Rose and Carless, "Manual of Surgery"; Berman's Synopsis of Principles of Surgery; Pack and Livingston's "Treatment of Carcinoma"; Christopher's "Minor Surgery".

2. *Emergency Surgery*: Sluss, John W., "Manual of Emergency Surgery"; Cole & Puestow, "Advanced First Aid".

3. *Surgical Anatomy*: McGregor, "Synopsis of Surgical Anatomy"; Treves, "Surgical Applied Anatomy".

4. *Fractures and Dislocations*: Scudder, Charles L., "Treatment of Fractures"; Wilson and Cochrane, "Fractures and Dislocations"; Magnuson's "Fractures"; Stimson's "Manual of Fractures and Dislocations"; Wilson's "Management of Fractures"; Key and Conwell's "Fractures and Dislocations"; Watson Jones "Fractures and other Bone and Joint Injuries"; Key and Conwell, "Fractures, Dislocations and Sprains".



5. *Case Reporting*: White, J. Renfrew, "The Clinical Examination of Surgical Cases"; Geckeler's "Fractures and Dislocations."

6. *Urology*: Eisendrath and Rolnick's "Urology"; Herman's "Practice of Urology"; Hinman's "Principles and Practice of Urology"; Keyes and Ferguson's "Urology"; Young's "Practice of Urology"; Le Comte's Manual of Urology.

7. *Orthopædic Surgery*: Whitman's "Orthopædic Surgery"; Jones, "Orthopædic Surgery of Injuries"; Jones and Lovett, "Orthopædic Surgery"; Mercer's "Orthopædic Surgery"; Willis Campbell's "Orthopædic Operations"; Sever's "Handbook of Operative Surgery"; Steindler's "Orthopædic Operations".

#### DEPARTMENT OF ANAESTHESIA

*Assistant Professor and Chairman* . . . . . WESLEY BOURNE

*Assistant Professors* . . . . . { C. C. STEWART  
F. A. H. WILKINSON

*Lecturers* . . . . . { C. C. CARROLL  
R. S. FERGUSON  
H. R. GRIFFITH  
W. C. STOCKWELL

*Demonstrators* . . . . . { M. K. BELTON  
J. J. KELLY  
P. E. O'SHAUGHNESSY  
A. M. TORRIE

#### UNDERGRADUATES

Students in Medicine, before their third year will have been introduced to the subject of Anæsthesia by the teachers in Anatomy, Biochemistry, Pharmacology and Physiology.

During the Third Year, ten lectures are given. All of these lead on from the academic to the clinical aspect. In these lectures sound motion pictures are shown. As time goes on, reading matter is prescribed.

At the end of the third year students are required to be certified as having fulfilled the requirements of the department.

In the final year each undergraduate student spends at least six days with an anaesthetist and acts as his assistant.



## DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

<i>Professor and Chairman</i> .....	N. W. PHILPOTT
<i>Associate Professor</i> .....	A. D. CAMPBELL
<i>Assistant Professors</i> .....	W. A. G. BAULD
	J. S. HENRY
	G. C. MELHADO
	G. A. SIMPSON
	W. R. FOOTE
	P. J. KEARNS
	K. T. MACFARLANE
<i>Lecturers</i> .....	G. B. MAUGHAN
	I. Y. PATRICK
	ELEANOR PERCIVAL
	D. W. SPARLING
	CLIFFORD WARD
	(Sessional) GEORGE STREAN
	J. E. AYRE, S. GOLD,
<i>Demonstrators</i> .....	M. HENDELMAN
	H. T. LYON
	J. L. MACARTHUR
<i>A. A. Browne Fellow and Demonstrator</i> .....	GRACE DONNELLY
<i>Teaching Fellows</i> .....	H. OXORN
	THOMAS PRIMROSE
<i>Research Fellow</i> .....	J. H. MALONEY

The entire course is arranged on the basis of imparting a practical knowledge of Obstetrics, Gynaecology and the Care of the New-born. The value of intimate contact with the patient in the normal and the pathological state is stressed.

The privilege of serving as an interne in the hospital for two weeks treating the patients from the time of admission till discharge from hospital is an ideal arrangement. Rooms are provided in the Women's Pavilion where the students may reside, in groups of six, during this period.

#### OBSTETRICS REQUIRED COURSES

##### SECOND YEAR

Sixteen lectures are given as an introduction to the subject. These lectures are relative to the anatomy and physiology of the genital tract. The physiology of pregnancy is also described. Professor Philpott.

##### THIRD YEAR

1. Thirty-five Clinical Conferences for all Third Year students. Wednesday 12:45 to 1:45 p.m., illustrating the more important Obstetrical conditions. Professor Philpott.



2. Nineteen lectures describe the physiology of labor and the puerperium. The major pathological lesions relative to parturition are described.  
Senior Members of the Staff
3. Thirty demonstrations are given in Obstetrical palpation and on the manikin, with the aid of models, diagrams, lantern slides and moving pictures.  
Given by Members of the Staff
4. Clinical instruction for twelve periods in case-rooms and wards.  
Given by Members of the Staff
5. Six lectures concerning early development of the embryo and the placenta.  
Given by Members of the Staff
6. Ten lectures or demonstration periods relative to the care of the New-born.  
Professor Goldbloom and Professor Ross

## FOURTH YEAR

1. Thirty-five Clinical Conferences for all Fourth Year students, Wednesday, 12:45 to 1:45 p.m., illustrating the more important Obstetrical conditions.  
Professor Philpott
2. General Ward Rounds held once a week are arranged to give a complete account of the work of the hospital. This is attended by those students in the current Obstetrical Course.  
Professor Philpott
3. Thirty lecture demonstrations are held in the Lecture Theatre or Case Room on the following subjects:
 

Normal Labour.....	Professor Philpott
Dystocia.....	Professor Melhado
Hæmorrhage.....	Professor Henry
Puerperal Infection.....	Professor Campbell
Toxæmia of Pregnancy.....	Dr. Patrick
4. Fourteen instructions periods chiefly concerning ante-natal care including conduct of pregnancy, labour etc.  
Given by Senior Members of the Staff

## GYNAECOLOGY

1. Theatre clinics and bedside instruction in the Royal Victoria and Montreal General Hospitals.  
Professors Philpott, Campbell and Staff
2. A special course on Gynæcological Pathology.  
Drs. P. J. Kearns and Gold
3. Methods of Gynæcological examination, diagnosis and treatment in the outdoor departments.



4. A special course of instruction, once a week, through the year in the cancer clinic on methods of diagnosis and treatment of cancer, dealing especially with Radium and X-Ray.

Professor Bauild and Staff

### TEXT AND REFERENCE BOOKS

#### OBSTETRICS

- |                        |   |
|------------------------|---|
| (1) De Lee-Greenhill   | Principles and Practice of Obstetrics.        |
| (2) Stander            | Text book on Obstetrics.                      |
| (3) Bland              | Practice of Obstetrics.                       |
| (4) Miller, J.         | Manual of Obstetrics.                         |
| (5) Appleton           | Obstetrical and Gynaecological Monographs.    |
| (6) Irving             | Text book on Obstetrics.                      |
| (7) Beck               | Obstetrical practice.                         |
| (8) Adair              | Obstetrics.                                   |
| (9) Scott and Van Wyck | The Essentials of Obstetrics and Gynaecology. |

#### GYNÆCOLOGY

- |                       |  |
|-----------------------|--|
| (1) Curtis            | Text book of Gynæcology and System of Gynæcology and Obstetrics. |
| (2) Ten Teachers      | Diseases of Women.   |
| (3) Monroe Kerr       | Gynæcology.  |
| (4) Goodall           | Puerperal Infection.   |
| (5) Crossen           | Gynæcology.  |
| (6) Kennedy, Campbell | Vaginal Hysterectomy.  |
| (7) Novak             | Text book of Gynæcology.   |

### OPHTHALMOLOGY

*Professor* . . . . . J. A. MACMILLAN

*Associate Professor and Chairman of the Department* . . . . . STUART RAMSEY

*Assistant Professor* . . . . . J. ROSENBAUM

<i>Lecturers</i> . . . . .	{	K. B. JOHNSTON
		J. V. V. NICHOLLS
		B. ALEXANDER
		R. J. VIGER

*Demonstrator* . . . . . L. S. S. KIRSCHBERG

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses in the Third and Fourth Year of the Medical Course:—



## THIRD YEAR

## 1. ROUTINE EXAMINATION OF THE EYE.

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course. Five hours..... Professor MacMillan and members of the Staff

## 2. LECTURE DEMONSTRATIONS TO ENTIRE CLASS.

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the Final Year.

Ten hours..... Professor MacMillan

## FOURTH YEAR

## CLINICAL OPHTHALMOLOGY.

This teaching is conducted in the Ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals. The class is divided into groups of ten, each group receiving twenty-five hours instruction. Ocular problems that are of greatest moment in general practice are discussed. This includes the external diseases of the eye, the main ophthalmological findings in systemic disorders, affections of the nervous system, and as far as possible a co-relation of the clinical and histological ocular changes.

Professor MacMillan and members of the Staff

*Text-books:*—May, Gifford, Parsons, Berens.

*Reference books:*—Duke-Elder.

## OTO-LARYNGOLOGY

*Associate Professor and Chairman  
of the Department*.....

*Associate Professor*..... D. H. BALLON

*Assistant Professors*..... G. E. HODGE

..... W. J. McNALLY

..... K. O. HUTCHISON

..... G. E. TREMBLE

..... A. O. FREEDMAN

*Lecturers*..... E. E. SCHARFE

..... E. A. STUART

..... F. W. SHAVER

*Demonstrators*..... W. CHAPIN

..... H. E. McHUGH



Instruction in Oto-Laryngology is given to students of the third and fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

### THIRD YEAR

A course of 10 demonstrations is given to students of the Third Year. These demonstrations deal with the normal anatomy of the ear, nose and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose and throat. Ward rounds are made to illustrate the pre- and post-operative methods of treatment.

#### *Lecture Course:*

Ten practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the œsophagus.

### FOURTH YEAR

Ten clinical demonstrations are given in the out-patient departments and wards of the hospitals. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

*Text and Reference Books:*—Sir St. Clair Thomson: Diseases of the Nose and Throat; A. Logan Turner: Diseases of the Nose, Throat and Ear; Chevalier Jackson and G. M. Coates: The Nose, Throat and Ear and Their Diseases; Otology, Rhinology, and Laryngology (2nd Edition) H. C. Ballenger, Lea and Febiger, 1943; Chevalier Jackson: Bronchoscopy, Oesophagoscopy and Gastrosocopy; D. H. Ballou: Chapters on Bronchoscopy and Oesophagoscopy in Surgical Diseases of the Chest by Evarts A. Graham, J. J. Singer, Harry C. Ballou.



## RADIOLOGY

<i>Associate Professor and Chairman of the Department</i> . . . . .	CARLETON B. PEIRCE
<i>Associate Professor</i> . . . . .	W. L. RITCHIE
<i>Assistant Professors</i> . . . . .	{ J. J. L. BOUCHARD D. L. McRAE J. W. McKAY
<i>Demonstrators</i> . . . . .	{ A. C. McCURRAGH G. I. NORTON

## FIRST YEAR

In co-operation with the Department of Anatomy, demonstrations are given of the Roentgenologic anatomy of the skeletal, respiratory, gastrointestinal and urogenital systems, including fluoroscopic demonstrations of functional anatomy of joints, the thoracic viscera and the alimentary tract.

Associate Professor Peirce and Staff

## SECOND YEAR

## INTRODUCTION TO RADIOLOGY

In co-operation with the Department of Medicine (Course II 2) as an introduction to special methods in Physical Diagnosis, the various means of Radiologic examination are demonstrated to small groups of students in the Montreal General Hospital and the Royal Victoria Hospital. The fluoroscopic and roentgenographic methods of study of the cardio-respiratory and gastro-intestinal systems especially are compared with the clinical means in physical examination

Associate Professor Peirce and Staff

Associate Professor Ritchie and Staff

## THIRD YEAR

## III ROENTGEN PATHOLOGY AND RADIATION THERAPY:

A course of 20 lectures presenting the general features of roentgen interpretation, systemic roentgen pathology and the principles of roentgen and radium therapy.

Associate Professors Peirce and Ritchie

Assistant Professors Bouchard, McRae and McKay

## FOURTH YEAR

## IV-A CLINICAL RADIOLOGY:

(1) A course of six lectures on special clinical applications of roentgen rays and radium radiation.

Associate Professors Peirce and Ritchie  
and Members of the Staff



IV-A (2) Conference periods, two hours weekly each quarter during which the students in the several hospitals discuss clinical case material with the Members of the Department.

Children's Memorial Hospital—Asst. Professor McRae

Montreal General Hospital—Assoc. Prof. Ritchie

Asst. Prof. McKay and Staff

Royal Victoria Hospital—Assoc. Prof. Peirce

Asst. Prof. Bouchard and Staff

IV-A (3) Tumour Conference: The final year students attend Tumour or Neoplasm Conferences in the several teaching hospitals, wherein all means of diagnosis and treatment of malignant neoplasms, especially, are considered by representatives of all departments of the teaching staffs and their experience reviewed.

#### POST-GRADUATE INSTRUCTION.

Post-graduate training prerequisite to certification in the specialty by the Royal College of Physicians and Surgeons (Canada) or the American Board of Radiology is available in the teaching hospitals to selected graduates of approved Faculties or Schools of Medicine.

*Text and Reference Books:*—Roentgen Interpretation, Holmes and Ruggles; Text Book of Radiology, Shanks, Kerly and Twining; Diagnostic Radiology, Golden (et al); Head and Neck in Roentgen Diagnosis, Pancoast, Pendergrass and Schaeffer; Roentgenology, Kohler; Urological Roentgenology, Wesson and Ruggles; Clinical Roentgenology of the Cardiovascular system, Roessler; The Digestive Tract, Barclay; Theoretical Principles of Roentgen Therapy, Pohle; Clinical Roentgen Therapy, Pohle; Physical Foundations of Radiology, Glasser, Quimby, Taylor and Weatherwax.

#### GRADUATE INSTRUCTION

1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.
2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is \$30.00 a term (10 weeks).

A Diploma of Public Health and a Diploma of Tropical Medicine are granted by McGill University.



These courses are being conducted by the Department of Health and Social Medicine with the collaboration of other departments in the Faculty of Medicine and the assistance of members of other faculties in the University who have a special interest in this field. Practical instruction and application are made possible through the cooperation of the Department of Health of Montreal and voluntary health agencies.

The Department of Health and Social Medicine is housed in its new quarters at 490, Pine Avenue West, within easy access of the Medical Building. The building contains ample accommodation for lectures, seminars and demonstrations. In addition to the excellent facilities of the Library of the Faculty of Medicine, which are at the disposal of students, the Department has its own library and reading-room. The building is also the headquarters of the Student Health Service.

### DIPLOMA OF PUBLIC HEALTH

The course is designed to train graduates in medicine in the increasingly wider concept of the public health service. It includes:

SOCIOLOGY, with special reference to the practice of Medicine;

STATISTICAL METHODS from the point of view of providing an understanding of the fundamental principles of statistics as they are applied to medical science for the critical analysis of surveys and reports; instruction is given in carrying on research involving statistical techniques;

VITAL STATISTICS, including Biometrics, stressing the importance of the accurate recording of essential data, observations and other findings, together with their practical significance and application;

EPIDEMIOLOGY as defined in its broadest sense, including communicable disease control and the assessment of morbidity in non-communicable diseases;

PUBLIC HEALTH LAW and its administration;

HYGIENE OF THE ENVIRONMENT, including Sanitation, Housing and Nutrition; Physiological Hygiene;

INDUSTRIAL TOXICOLOGY AND INDUSTRIAL HYGIENE;

HYGIENES (Physical and Mental): Maternal, Infant, Pre-School, School and Adult;

BACTERIOLOGY, PARASITOLOGY AND IMMUNOLOGY, as related to public health practice;

SOCIAL AND ECONOMIC FACTORS in Health; programs designed to deal with them;

PUBLIC HEALTH PRACTICE: The organization and administration of public health programs, including Preventive Medicine, especially as they pertain to the public health agency, the family physician and the social worker;



**FIELD WORK:** A period of three months' approved field work must be undertaken before the Diploma is granted. Facilities are available in fields of special interest, such as Tuberculosis, Venereal Disease, School Health, etc.

Candidates for the Diploma of Public Health must be graduates in Medicine of a recognized university.

The Diploma of Public Health course covers one academic year from September 15, 1947, to the end of April, 1948, with three months' additional field work.

The Fee for the Diploma of Public Health is \$250.00, a portion of which—\$25.00—the candidate is requested to deposit on acceptance of his application.

Registration is from September 13 to 20, 1947.

### DIPLOMA OF TROPICAL MEDICINE

Tropical Medicine is coming to occupy a prominent place in medical education in North America as a direct outcome of the war and the rapid advance of aeroplane travel.

The present course in Tropical Medicine is a development of the short course given during the war to members of the armed forces. It has been revised and adjusted to post-war conditions.

The course of didactic instruction will occupy a full academic year. Classes for the first term will be in common with those for the Diploma in Public Health. Those for the second term will be held at the Institute of Parasitology at Macdonald College of McGill University. The teaching collection at the Institute is a large and representative one. The work will be practical as well as theoretical, and will include a study of Parasitology and Medical Entomology, laboratory diagnoses of tropical and sub-tropical diseases, and lectures on the diseases of the tropics, on tropical hygiene and minor sanitation.

Clinical instruction must, of necessity, be limited in temperate climates. This aspect is, therefore, deferred to the final part of the course which will be given in the tropics at the conclusion of the didactic instruction. The course consists of clinical and field work for which arrangements have been made with Georgetown, British Guiana, Port of Spain, Trinidad, and Venezuela.

Candidates for the Diploma of Tropical Medicine must be graduates in medicine of a recognized university. Certain additional courses may be required of those who are not recent graduates or of those who have not had sufficient clinical practice.

The Fee for the Diploma of Tropical Medicine is \$150, or \$50.00 if preceded by the D.P.H. course at McGill University, or \$100.00 for those who have taken the D.P.H. elsewhere.



## BUILDINGS

## THE MEDICAL BUILDING

This building, erected in 1911, at a cost of over \$600,000, contains the Offices of Administration, the Medical Library (with its 65,000 volumes, its Reading Rooms and their complete set of technical journals), the Departments of Anatomy, Health and Social Medicine, the Research Institute of Endocrinology and the Museums of Anatomy, Pathology and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The Laboratories for Histology and Embryology have excellent facilities with space for 120 students, and smaller rooms for research.

## THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over \$500,000, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Biochemistry, Physiology and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the Laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anæsthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

## THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and includes a Pathological Museum and museum workshops. It combines under one roof quarters for teaching and research in these departments, both for the University and for the Royal Victoria Hospital. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.



### THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neuro-surgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, laboratories, etc., the building provides complete residential accommodation for six research fellows.

### THE ALLAN MEMORIAL INSTITUTE

In 1943 a large building and site were donated as a basis for the development of an Institute of Psychiatry. The building has been reconstructed to permit of the establishment of a fifty bed unit, together with extensive research laboratories, and was officially opened July 12th, 1944. Plans have been drawn up for the carrying out of undergraduate and postgraduate teaching in the Faculty of Medicine.

## HOSPITALS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

Royal Victoria Hospital  
Montreal General Hospital  
Children's Memorial Hospital  
Alexandra Hospital for Infectious Diseases  
Verdun Protestant Hospital  
Royal Edward Laurentian Hospital  
The Royal Victoria Montreal Maternity Hospital



The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 3,000 beds.

THE ROYAL VICTORIA HOSPITAL, in juxtaposition to the University buildings, is a general hospital for acute diseases and contains 693 beds and 96 cribs. In a typical year, it cared for 16,637 cases, while in its out-door department 68,994 cases were treated. Many new additions have been made in the Hospital. A modern University Medical Clinic was established in 1924.

There were 66.2% post-mortems.

The number of resident physicians is 70.

THE ROYAL VICTORIA-MONTREAL MATERNITY PAVILION, with 214 beds for obstetrical and gynæcological cases, was opened in June, 1926. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. In a typical year, the obstetrical service cared for 2,252 confinements in the Hospital and 210 in the Out-patient Service. In the gynæcological section, 1,803 cases were admitted during the year.

There are ten resident physicians.

THE MONTREAL GENERAL HOSPITAL, CENTRAL AND WESTERN DIVISIONS, is a general hospital for the treatment of acute diseases and contains 600 beds. In a recent year there were 12,200 admissions. The number of patients' visits to the Out-Patient Department of both Divisions totals 174,977. Many modern additions to the original buildings have been made permitting increased bed capacity. There is a large biochemical laboratory fully equipped for the complete investigation of the metabolic aspects of disease and in conjunction with this department there is an out-patient clinic, one of the largest on the continent, for the treatment of diabetes mellitus. There were 573 autopsies performed which represents 85% of all autopsies obtainable, i.e., other than coroner's cases, etc. Post-mortem and surgical material at both Divisions is now used for teaching, and clinical teaching is carried out in the public wards at both Divisions. The number of resident physicians is 52. The Dental Clinic of the University completed in 1921 is located at the Central Division and has 50 dental chairs with a large and varied clientele. The number of visits to the Dental Clinic for a recent year was 19,065.

THE CHILDREN'S MEMORIAL HOSPITAL has 267 public beds, and, in a typical year, admitted 3,807 patients. The attendance at its out-door department totalled over 32,459 visits. This hospital admits all classes of cases of disease in children, and enables the students to get a broad



concept of pædiatrics. Of special interest are the newly-built wards with cubicles, the Department of Remedial Gymnastics, the Open-air Pavilions, and the well-equipped out-patient service.

There were 97 autopsies in the year, which represented 88.3% of all deaths.

The number of resident physicians is 12.

THE ALEXANDRA HOSPITAL FOR INFECTIOUS DISEASES, opened in 1906, with modern wards, cubicles and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 172 beds, and, in a typical year, 2,008 patients were admitted to the hospital. There were 14 autopsies.

The number of resident physicians is 3.

THE VERDUN PROTESTANT HOSPITAL has 1,100 beds.

THE ROYAL EDWARD LAURENTIAN HOSPITAL, in its new building, 3674 St. Urbain St., has space for 70 beds, with operating room, X-Ray equipment and modern facilities for the examination of patients; it is essentially a dispensary for tuberculosis and offers adequate material for teaching students the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.

## LIBRARY

*Honorary Librarian*.....R. L. STEHLE

The Library occupies the central front section of the medical building. It contains more than 65,000 bound volumes and an extensive collection of pamphlets, theses, government publications and other items.

On the third floor are the pleasant, well-lighted reading room capable of accommodating seventy-five readers, and the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library—ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes.



some dating back to the sixteenth century. Among the books and journals the ophthalmological section, due in large measure to many gifts from the late Dr. Casey A. Wood, is excellent.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7.30 to 10.00 p.m., except Saturdays, when it is closed at 5 p.m. After June 15th it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

### THE OSLER LIBRARY

*Librarian*.....W. W. FRANCIS

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 9,500 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death ("Bibliotheca Osleriana," Clarendon Press, Oxford, 1929, xxxvi, 785 pp.).

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 137 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.



## MEDICAL SOCIETIES

## 1. THE MCGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

- (1) To transact all matters of business connected with the undergraduate body.
- (2) To stimulate interest along medical lines.
- (3) To assist students to express themselves in public with facility.
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.

## 2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Third and Fourth years.



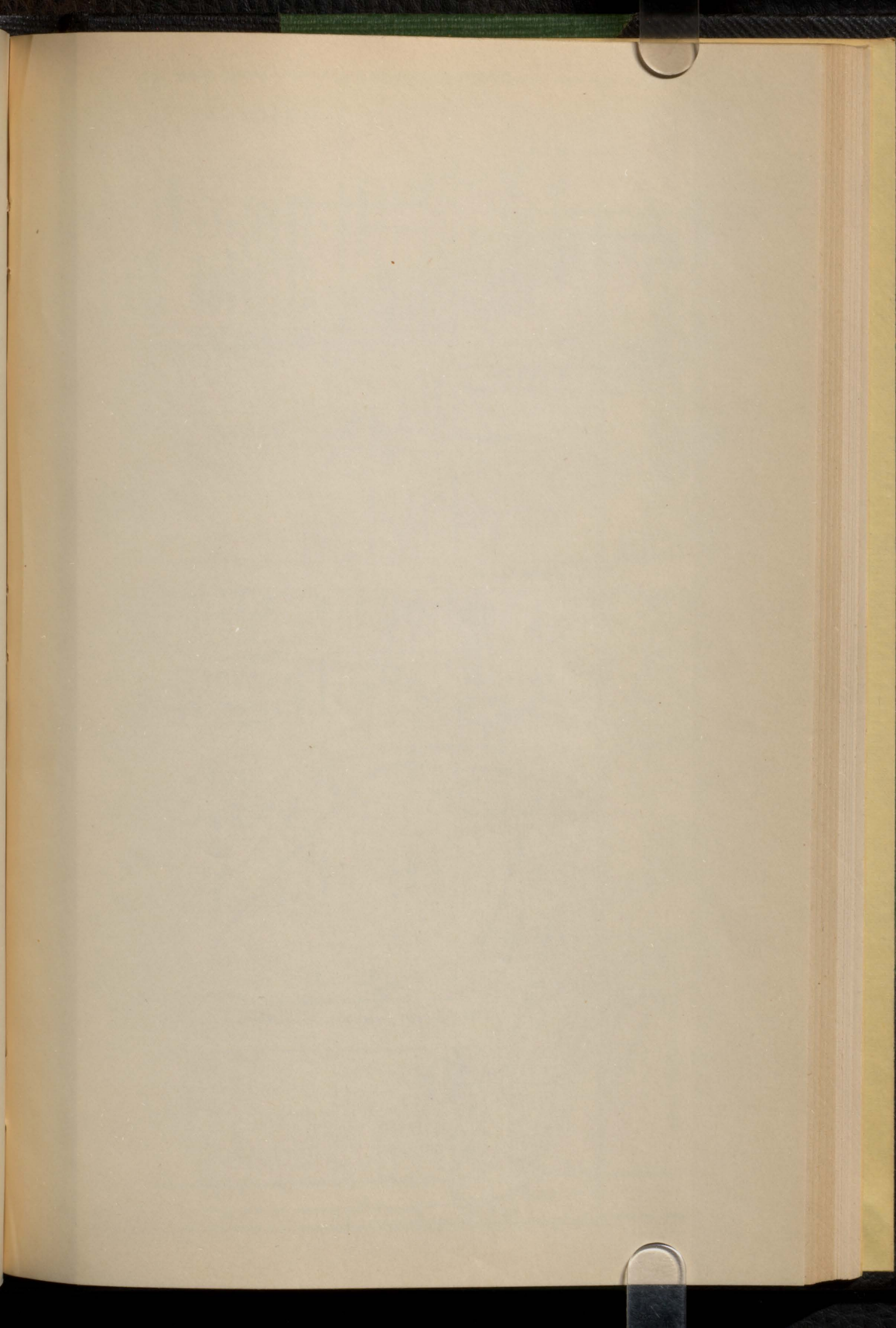
Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

### 3. THE OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.







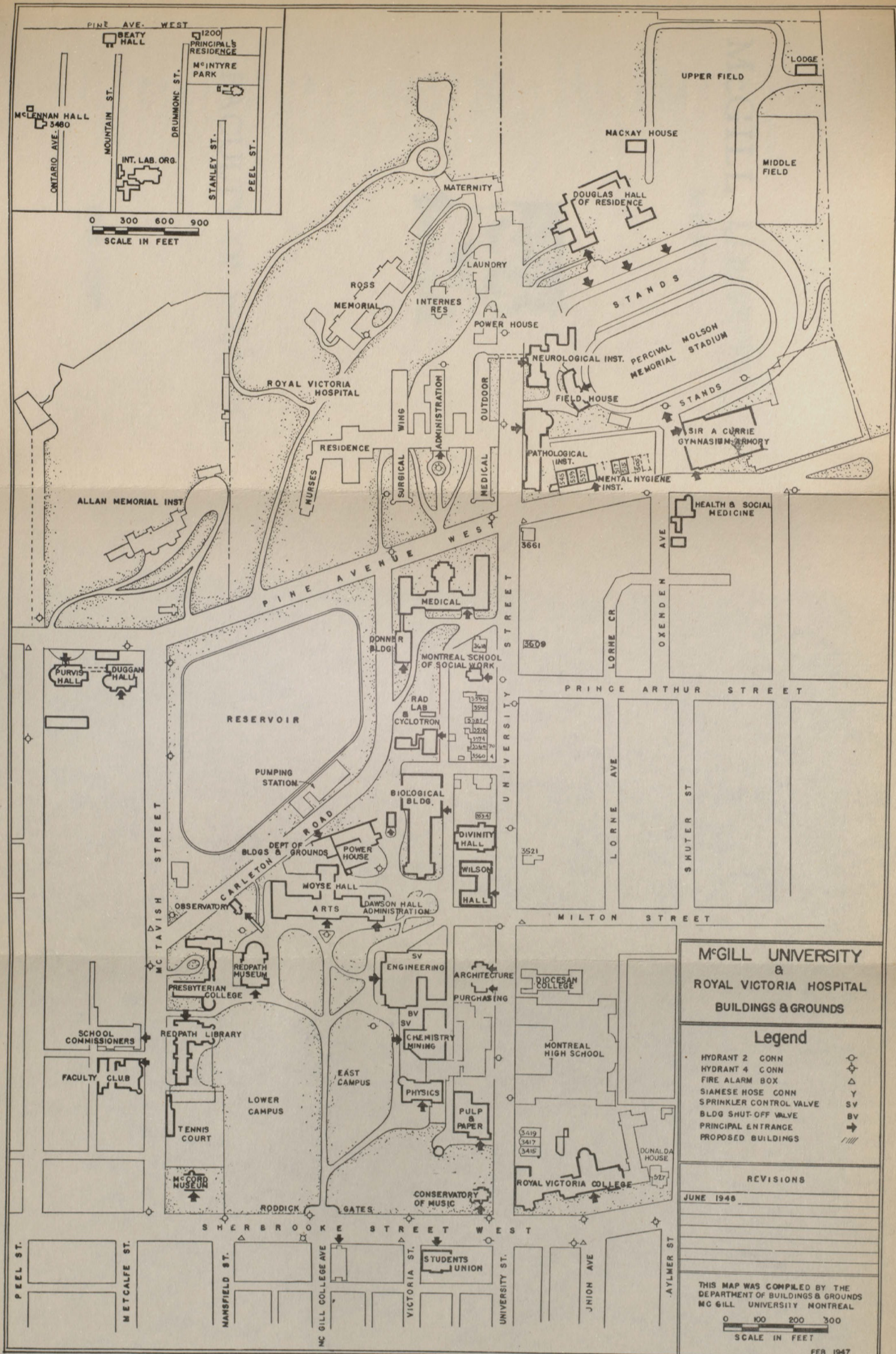
Meeting has had over 2000 delegates, the largest ever, and has been held by hospitals and private members as well as by societies. During the year an open meeting is planned to be held with a number of delegates in the medical world.

### THE CASE VARIETY

The Case Variety was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to popularize the history and teachings of the W. Case Library by the reading of papers and the display of papers reflecting the ideas of a liberal medical education. These "case variety" men emphasize their clinical and scientific knowledge by the presentation of their papers of interest which are of historical and literary significance.

The organization includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have acted as more mature aids to the discussion. Each year an Honorary member has been elected from this class group.





**MCGILL UNIVERSITY  
&  
ROYAL VICTORIA HOSPITAL  
BUILDINGS & GROUNDS**

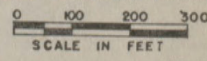
**Legend**

- |                         |    |
|-------------------------|----|
| HYDRANT 2 CONN          | ○  |
| HYDRANT 4 CONN          | ◇  |
| FIRE ALARM BOX          | △  |
| SIAMSE HOSE CONN        | Y  |
| SPRINKLER CONTROL VALVE | SV |
| BLDG SHUT-OFF VALVE     | BV |
| PRINCIPAL ENTRANCE      | ➔  |
| PROPOSED BUILDINGS      |    |

**REVISIONS**

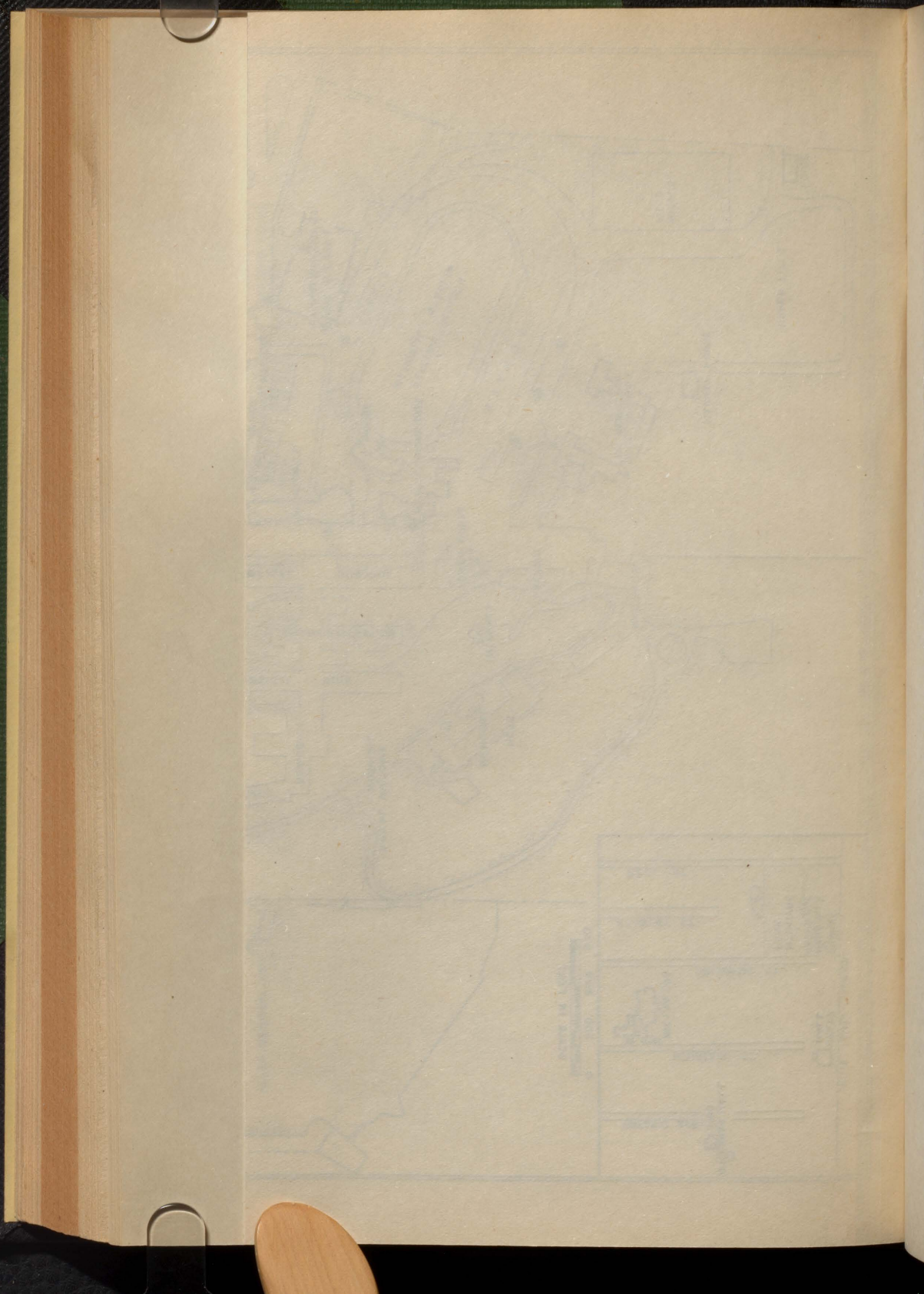
JUNE 1948

THIS MAP WAS COMPILED BY THE  
DEPARTMENT OF BUILDINGS & GROUNDS  
MCGILL UNIVERSITY MONTREAL



FEB 1947







McGILL UNIVERSITY  
MONTREAL



FACULTY OF MEDICINE

1948 - 1949



McGILL UNIVERSITY  
MONTREAL



FACULTY OF MEDICINE

1948 - 1949



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# McGILL UNIVERSITY

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## FACULTY OF MEDICINE

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### ADMINISTRATIVE OFFICERS

<i>Principal</i> .....	B.Com. (Lond.), M.A., Ph.D. (Penn.), D.C.L. (Bishop's), LL.D. (Queen's, Toronto, London, New York, etc.), D. de l'U. (Montréal), F.R.S.C., Chevalier de la Légion d'Honneur
<i>Dean of the Faculty</i> .....	FREDERICK SMITH, M.A., M.B., B.Ch., M.R.C.P., L.R.C.S., F.R.S.C.
<i>Secretary of the Faculty</i> .....	D. S. FLEMING, B.A., M.D., C.M., D.P.H.
<i>Comptroller and Executive Assistant to the Principal</i> .....	S. H. DOBELL, D.S.O.
<i>Bursar</i> .....	W. BENTLEY, C.G.A., A.C.I.S
<i>Registrar</i> .....	T. H. MATTHEWS, M.A.
<i>University Librarian</i> .....	RICHARD PENNINGTON, B.A.
<i>Honorary Medical Librarian</i> .....	R. L. STEHLE, M.A., Ph.D.
<i>Osler Librarian and Director of the Museum of the History of Medicine</i> .....	W. W. FRANCIS, A.B., M.D.
<i>Assistant Secretary of the Faculty</i> ..	MISS G. D. MUDGE

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A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate announcement, which may be obtained from the Registrar's Office.



# MOGILL UNIVERSITY

## FACULTY OF MEDICINE

### ADMINISTRATIVE OFFICERS

E. Com. (Pres.) M.A., F.R.C. (Pres.)

O.C.L. (Pres.) M.A., F.R.C. (Pres.)

London, London, New York, etc.

D. de la (Pres.) M.A., F.R.C. (Pres.)

Chesham, Chesham, Chesham, etc.

Presidents of the Faculty

M.R.C.P. F.R.C. F.R.C.

D. & F.R.C. (Pres.) M.A., F.R.C. (Pres.)

D.P.H.

Presidents of the Faculty

S. H. D. (Pres.) M.A., F.R.C. (Pres.)

W. B. (Pres.) M.A., F.R.C. (Pres.)

T. H. (Pres.) M.A., F.R.C. (Pres.)

R. B. (Pres.) M.A., F.R.C. (Pres.)

R. T. (Pres.) M.A., F.R.C. (Pres.)

R. T. (Pres.) M.A., F.R.C. (Pres.)

W. W. (Pres.) M.A., F.R.C. (Pres.)

M. C. D. (Pres.) M.A., F.R.C. (Pres.)

M. C. D. (Pres.) M.A., F.R.C. (Pres.)

M. C. D. (Pres.) M.A., F.R.C. (Pres.)

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M. C. D. (Pres.) M.A., F.R.C. (Pres.)

M. C. D. (Pres.) M.A., F.R.C. (Pres.)

M. C. D. (Pres.) M.A., F.R.C. (Pres.)

M. C. D. (Pres.) M.A., F.R.C. (Pres.)

M. C. D. (Pres.) M.A., F.R.C. (Pres.)

M. C. D. (Pres.) M.A., F.R.C. (Pres.)

M. C. D. (Pres.) M.A., F.R.C. (Pres.)

M. C. D. (Pres.) M.A., F.R.C. (Pres.)



## FACULTY OF MEDICINE

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The one hundred and sixteenth session of the Faculty will open on September 7th, 1948, for students of the first year.

### REQUIREMENTS FOR ENTRANCE

1. (a) *Total Academic Credits:*

The minimum requirement for admission to the medical course is the satisfactory completion of three full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof). This minimum requirement may be regarded as equivalent to a total of 90 semester hours.

(b) *Scientific Requirements:*

In the scientific branches, certain subjects are specifically required:

*Chemistry*, two full courses, including General Chemistry and Organic Chemistry, with laboratory work.

*Physics*, one year with laboratory work.

*Biology*, or *Zoology*, one year with laboratory work. (Of this, a half year must consist of Zoology.)

(c) *Cultural Requirements:*

These must be selected in such a way as to be in harmony with the requirements for the degree of B.A. or B.Sc. at the college where the courses are taken. These would commonly include credits in English Literature and in Composition, Mathematics, and at least one modern language. It is advisable for each applicant to present evidence of such preparation.

(d) All candidates for admission to the Medical Faculty are required to take the Graduate Record Examination, or furnish a satisfactory explanation of reasons why they are unable to do so.

2. In selecting courses, in addition to the specific requirements listed above, the intending medical student should plan his pre-medical course as a whole, and in accordance with a definite educational objective. Emphasis should be laid on the broad educational value and the intellectual training afforded, rather than on the factual content of such pre-medical curricula; the student is therefore advised to plan his course in such a way as to provide more than elementary training in some definite



field of learning which appeals to him; this major field may be selected from the Natural or Social Sciences or the Humanities. Certain subjects which though not essential have been found valuable in medical study, and which may be included as electives if the curriculum in the major field permits, are Psychology, Sociology, and Genetics.

In general, students are advised not to anticipate medical school courses in Physiology, Histology, Bacteriology, and Biochemistry at the expense of a fundamental training as outlined above.

On the other hand, for students who desire a preparation in excess of the minimum requirements, a considerable degree of specialization in the sciences, such as Honours graduation, or a Master's degree, in Physics, Chemistry, Biochemistry, Biology, Physiology, or Bacteriology, may prove to be desirable and advantageous.

The students' attention is called to the memorandum printed in the Announcement of the Faculty of Arts and Science, for the guidance of pre-medical students.

Candidates for admission shall furnish evidence that they have satisfied the matriculation requirements of the Licensing Body where they wish to practise.

#### EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

The equivalent courses of study in schools accepted by this University shall be determined from time to time. Acceptance of a course of study as equivalent may not include the examination in that subject held by the accepted school, but the student may be required to pass such examinations, individual or comprehensive, as may be required by the Faculty.

#### APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than January 1st. Each application must be accompanied by a non-returnable fee of \$5.00 in the form of a cheque or money order payable to McGill University.



A fee of \$50.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Secretary of the Faculty, when possible, is advisable.

### REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office on Tuesday, September 7th, 1948. Those who register after this date will be required to pay a late registration fee of \$5.00 if they register during the first week of the session and \$10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.



## FEES

*The University reserves the right to make changes without notice in its published schedule of tuition, board and residence, and other fees.*

## UNIVERSITY FEES

1. REGULAR STUDENTS
 

Annual fee.....	\$450.00
By instalments: each of two instalments.....	227.50
2. REPEATING A YEAR
 

Students repeating a year pay.....	450.00
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3. PARTIAL STUDENTS
 

Qualified students may be admitted as partials to one or more courses on payment of special fees.
4. AD EUNDEM FEE
 

Students entering any year above the first pay a special <i>ad eundem</i> fee of.....	\$10.00
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5. DIPLOMA OF PUBLIC HEALTH FEES
 

The fee for the graduate course in Public Health, including laboratory and outdoor work, as well as student Health Service fee, is \$250.00, of which \$25.00 is to be deposited on acceptance of application.
6. DIPLOMA OF TROPICAL MEDICINE FEES
 

The fee for the course leading to this diploma is \$50.00 if preceded by the D.P.H. course at McGill University or \$100.00 for those already holding the D.P.H., taken elsewhere. For all others the fee is \$250.00.

## STUDENT FEES

## FEES FOR THE SUPPORT OF STUDENT ORGANIZATIONS.

Regular students (men).....	\$15.00
Regular students (women).....	15.00
Partial students.....	5.00
By instalments: half with each instalment.	

## DATES OF PAYMENT

Fees are due and payable at the Chief Accountant's Office between the hours of 9 a.m. and 4 p.m. on the following dates:—



Tuesday, September 7th, to Thursday, September 9th, inclusive, or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on February 1st. An additional \$2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration, failing which they become subject to the provisions of the above paragraph.

Immediately after the prescribed dates for the payment of fees the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Dean will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

All fees are payable in Canadian currency.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

### MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories:— $2/3$ ,  $1/6$ , and  $1/12$  oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine. Suitable microscopes may be secured through local dealers.

### BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement (pages 205, 206, and 212).

### HEALTH SERVICE

For details of the Health Service and Medical Examinations see the General Information Pamphlet included in this Announcement (page 203).



## COURSES FOR THE DEGREE OF M.D.,C.M.

The minimum period of professional training required by the University as a qualification for the independent practice of Medicine shall be five years, including

- a. four years of medical study in the University leading to the degree of M.D.,C.M.; and
- b. one year of internship in an approved hospital.

## OR

one year of further medical study in the Faculty of Medicine of McGill University or at another medical school approved by it.

While the Faculty Administration exercises a general supervision of arrangements for internships, the Faculty of Medicine assumes no responsibility to provide an internship for any student.

A certificate that his medical education is completed and that he is eligible to sit for the examination of a licensing board shall not be issued to any graduate until the University is in possession of satisfactory evidence that he has completed the full requirements.

There are three sessions of thirty-six weeks each and one session (final session) of thirty-two weeks, all exclusive of examination periods. The sessions usually begin the first Tuesday after the first Monday in September (Labour Day) and continue until the first week of June in the first three years and to the first week in May in the final year.

The academic session is divided into four terms in the first and fourth session and into three terms in the second and third sessions. The minimal period of study for the degree of M.D.,C.M., is, therefore, four sessions of study comprising one hundred and forty weeks exclusive of examination periods.

The arrangement of the principal subjects of instruction is usually as follows:

## FIRST SESSION

Anatomy (including Histology and Embryology), Physiology, Biochemistry, Psychobiology and Medical Sociology, Introduction to Medicine.

## SECOND SESSION

Pharmacology, General Pathology, Bacteriology and Immunology, Parasitology, Laboratory Diagnosis, Medicine, Surgery, Paediatrics, Obstetrics, Health and Social Medicine, Psychiatry.

## THIRD SESSION

Special Pathology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, Psychiatry, Therapeutics, Ophthalmology, Oto-laryngology, Medical Jurisprudence, Radiology, Anaesthesia.



## FOURTH SESSION

Medicine,\* Surgery,\* Obstetrics and Gynæcology, Psychiatry, Pædiatrics, Ophthalmology, Otolaryngology, Radiology, Neurology and Neuro-Surgery.

\*In these subjects are included the following:—

*Medicine*—Dermatology, Clinical Therapeutics.

*Surgery*—Orthopædics, Urological Surgery, Anæsthesia.

## EXAMINATIONS

The examinations taken within the Medical Faculty are divided into two groups, namely, major examinations and minor examinations. Major examinations are the final examinations in Anatomy (Embryology), Histology, Physiology, Biochemistry, Pharmacology, Bacteriology and Immunology, Pathology, Health and Social Medicine, Pædiatrics, Medicine, Surgery, Obstetrics and Gynæcology, Psychiatry.

Minor examinations include the final examinations in Parasitology, Laboratory Diagnosis, Medical Jurisprudence, Therapeutics, Ophthalmology, Otolaryngology, Radiology and examinations preliminary to the final major examinations.

A student who fails in any major examination will be required before he sits a supplemental examination to present to the Dean's office from the senior professor of the Department concerned a certificate that the student has taken sufficient extra tuition as would indicate that he has reviewed the subject and is a suitable candidate for the supplemental examination.

There is a strict difference between the importance of a major and a minor examination. If a student fails in the supplemental of a major examination, there are definite restrictions as hereinafter set forth, while failure in the supplemental of a minor examination permits the student to carry conditions as are hereinafter laid down.

A student who fails in the supplemental of one (or two) minor examination may proceed with other subjects in the following year, carrying such subject as a condition, but may not sit any subsequent major examinations until such conditions have been removed, nor may more than two conditions be carried at one time.

All conditions must be removed by the end of the first term (November) in each session when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year and to repeat the courses of the Winter and Spring terms.

A student who fails in the supplementals of three or more minor examinations in any one session must repeat this session or may be asked



to retire, as may be decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A failure in the supplemental of a major examination will require the student to repeat the course (repeat the year), and no student may repeat such a course more than once. Any student who fails in the supplementals of two major examinations in any one year shall be required to retire without the privilege of further supplementals.

A student is not allowed supplementals in three major examinations in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student is not allowed supplementals in two major and one minor examination in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A student in the final year may take a supplemental examination in one subject only at the end of the following September, but must present a certificate from the senior professor of the Department concerned that he has taken at least three months' extra tuition in this subject in one of the teaching hospitals of the McGill Faculty of Medicine. If he should fail in this supplemental examination, he must repeat the year of study and pass all the major examinations at the completion of the session.

A student in the final year who fails in two subjects will not be permitted supplementals but must repeat the year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student will not be allowed to repeat a year more than once nor may he repeat a subsequent year if such repetition has been due to failure in examinations, except on special recommendation of the Promotion Committee, acting upon the motion of the representatives on the committee of the Department concerned.

A student who has been permitted to repeat his year shall be required to make a C+ grade, which for this purpose is considered to be 65%, or he will not be permitted to continue his course.

A schedule of the times of major and minor examinations shall be published as a supplement to these ordinances at the beginning of each academic session.

Examinations, tests, reviews, etc., may be held during the session by any Department in its time of instruction, provided that no more than



twenty-four (24) hours' notice is given. It is understood that such examinations, tests or reviews are conducted for the benefit of the student in order that he may have experience in the requirements of the sessional examinations, and further, that he and his teachers may know he is progressing in his studies.

There shall be two Promotion Committees. The First Committee shall consist of representatives of the subjects of Anatomy, Biochemistry, Histology, Physiology, Pharmacology, Bacteriology, Parasitology, Pathology, and Endocrinology, appointed by the Dean, and the Dean and Secretary *ex officio*. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the first and second years. The second Committee shall consist of representatives of the Departments of Pathology, Bacteriology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynæcology and Pædiatrics, appointed by the Dean, and the Dean and Secretary *ex officio*. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the third and fourth years.

All results of examinations will be given out by the Dean's office, after they have been passed upon by the Promotion Committee. It is an absolute rule that no examination results shall be communicated by any other channel.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.

#### GRADING

At the conclusion of each course, students are graded in five groups as follows:—

- A = Excellent
- B = Good
- C = Fair
- D = Doubtful
- E = Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

The grade assigned to a student is based upon the results of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.



### FELLOWSHIPS, SCHOLARSHIPS, BURSARIES, MEDALS, PRIZES, AND LOAN FUNDS

Details of fellowships, scholarships, bursaries, medals, and prizes open to undergraduate and graduate students in Medicine, and of the University Loan Fund may be found in the Scholarships Announcement.

### REQUIREMENTS FOR THE DEGREE OF M.D.,C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.
2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University. (See page 1207.)
3. No one is permitted to become a candidate for the degree who has not attended at least one full session at this University.
4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.
5. He must have attended during at least three sessions of nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.
6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.
7. Every candidate must also have administered anæsthetics, under direction, at least six times, and have assisted at not less than six autopsies.

### REQUIREMENTS FOR LICENCE TO PRACTISE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before *beginning* the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a license to practise can be obtained.



N.B.—In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:—

QUEBEC—Dr. J. Paquin, 1896 Dorchester St. West, Montreal.

ONTARIO—Dr. Robert T. Noble, 566 University Ave. Toronto, Ont.

NEW BRUNSWICK—Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

NOVA SCOTIA—Dr. H. L. Scammell, 196 Atlantic St., Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. I. J. Yeo, Charlottetown, P.E.I.

MANITOBA—Dr. M. T. McFarland, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. W. Bramley Moore, 207 Alexandra Block, Edmonton, Alta.

SASKATCHEWAN—Dr. G. Gordon Ferguson, 415 Birks Bldg., Saskatoon, Sask.

BRITISH COLUMBIA—Dr. A. J. MacLachlan, 203 Medical-Dental Building, Vancouver, B.C.

The Registrar for Newfoundland is Dr. C. Macpherson, P.O. Box 5121, St. John's, Nfld.

#### DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.

#### GENERAL COUNCIL OF MEDICAL EDUCATION AND REGISTRATION OF GREAT BRITAIN

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance on lectures, practical work and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.



## COURSES OF INSTRUCTION

## ANATOMY

<i>Robert Reford Professor</i> .....	C. P. MARTIN, <i>Chairman</i>
<i>Professor of Anatomy</i> .....	C. P. LEBLOND
<i>Assistant Professors of Anatomy</i> .....	{ D. S. FORSTER
	{ S. M. FRIEDMAN
<i>Lecturer in Anatomy</i> .....	E. WALTER WORKMAN
<i>Sessional Lecturer in Anatomy</i> .....	R. M. H. POWER
	{ J. GROSS
<i>Teaching Fellows</i> .....	{ R. A. MACBETH
	{ CATHERINE E. STEVENS

## REQUIRED COURSES

1. GROSS ANATOMY.  
Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms of the First Medical Year.
2. NEURO-ANATOMY.  
Four hours lecture and laboratory per week during the first term of the second year. Conducted with the co-operation of Dr. Francis McNaughton. This course is listed under the Department of Neurology and Neurosurgery as 2A Neuroanatomy.
3. APPLIED ANATOMY.  
One hour per week lecture and demonstration during the Winter and Spring terms of the Third Medical Year.  
*Text-books:*—Gray's "Anatomy" (English Edition) or Cunningham's "Text-Book of Anatomy."  
*Practical Manuals:*—Buchanan's "Manual of Anatomy;" Johnston's "Synopsis of Regional Anatomy."  
*Optional Texts:*—Quain, Piersal, Spalteholz Atlas, Fraser's "Anatomy of the Human Skeleton," Fraser and Robbins, Larsell, Ramson.

## ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

4. ADVANCED NEURO-ANATOMY.

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton. The class is limited to ten. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.



## 5. PHYSICAL ANTHROPOLOGY.

Lectures and practical courses will be arranged for students when required.

## MICROSCOPIC ANATOMY

## REQUIRED COURSE

## 6. HISTOLOGY.

The study of the histological structure of the body. Two hours lectures and six hours laboratory work per week during the first 28 weeks of the First Medical Year.

*Text-book*:—Bailey, "Text-Book of Histology" or Maximow and Bloom.

*Optional Texts*:—Cowdry, Lewis, and Bremer, Jordan.

## ELECTIVE COURSE

## 7. EXPERIMENTAL MORPHOLOGY.

Bi-weekly seminar. In this course current problems and discoveries in Experimental Morphology are discussed by members of the staff and graduate students.

## EMBRYOLOGY

## REQUIRED COURSE

## 8. THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY.

One hour per week lecture and three hours per week laboratory work during second half of the First Medical Year.

*Text-book*:—Arey, "Developmental Anatomy."

*Optional Texts*:—Jordan, Simkins, Bailey and Millar, Keith, Fraser.

## PHYSIOLOGY

<i>Joseph Morley Drake Professor</i> . . . . .	_____
<i>Associate Professor</i> . . . . .	N. GIBLIN
	{ S. DWORKIN
<i>Assistant Professors</i> . . . . .	{ RONALD GRANT
	{ KATHLEEN TERROUX

## REQUIRED COURSES

## I. FIRST YEAR LECTURES.

Tuesday, Thursday, Saturday, at 9 a.m. (beginning in October).

## IP. FIRST YEAR LABORATORY.

Six hours a week during last 16 weeks.

*Text-books*:—

Systematic Physiology—Human.

Howell, Textbook of Physiology; Starling (and Evans), Human

Physiology; MacLeod (and Bard), Physiology in Modern Medicine.



## Clinical Physiology.

Samson Wright, Applied Physiology; Wiggers, Physiology in Health and Disease: Best and Taylor, Physiological Basis of Medical Practice.

## OTHER COURSES

(Available only for students who have obtained Honours in the Required Courses, and by application to the Chairman of the Department.)

## 3. ADVANCED LECTURES.

## 3P. ADVANCED LABORATORY

## BIOCHEMISTRY

Professors.....	{ D. L. THOMSON, <i>Chairman</i> J. H. QUASTEL
Associate Professors.....	{ O. F. DENSTEDT R. D. H. HEARD
Assistant Professor.....	{ K. A. C. ELLIOTT
Sessional Lecturer.....	JUDITH SAFFRAN

## COURSES OFFERED IN BIOCHEMISTRY

## FIRST YEAR

BIOCHEMISTRY 1. Mon., Wed., Fri., at 9 a.m. (beginning in October).

1L. Laboratory: Six hours a week October to February.

Drs. Thomson and Heard

*Text-books*:—Bodansky, "Introduction to Physiological Chemistry" (Wiley); Cameron, "Text-book of Biochemistry" (Macmillan); Williams, "Text-book of Biochemistry" (van Nostrand); Schmidt and Allen, "Fundamentals of Biochemistry" (McGraw-Hill); Mitchell, "Text-book of Biochemistry" (McGraw-Hill).

This course consists of the courses numbered 31, 32 (Endocrinology) and 33 (Nutrition) listed in the Announcement of the Faculty of Arts and Science, which also lists more advanced courses offered by the Department.

## PATHOLOGY

Strathcona Professor.....	G. LYMAN DUFF, <i>Chairman</i>
Professor.....	THEO R. WAUGH
Assistant Professors.....	{ ROBERT H. MORE J. E. PRITCHARD W. H. MATHEWS W. E. TORESON
Lecturers.....	{ F. W. WIGLESWORTH D. C. WILSON F. A. JAFFE
Demonstrators.....	{ J. D. RUBLEE
Sessional Demonstrator.....	M. A. SIMON
Fellows.....	{ J. W. BAWDEN, S. BENCOSME C. J. JONES, R. M. LEVINE



## REQUIRED COURSES

## 1. COURSE IN GENERAL PATHOLOGY (Second Year).

- A. Two lectures per week (with epidiascopic and microscopic demonstrations) during the Winter and Spring terms (52 lectures).  
Professor Duff

- B. Two practical laboratory classes per week during the Spring Term (80 hours practical work).

Dr. Toreson and Demonstrators

## 2. COURSE IN SPECIAL PATHOLOGY (Third Year).

- A. Two lectures per week during the Autumn, Winter and Spring Terms (72 lectures).

Professor Duff, Professor Waugh, Professor More, and Lecturers

- B. Two practical laboratory classes per week during the Winter and Spring Terms (96 hours practical work).

Professor Duff and Staff

- C. One demonstration of gross pathological material per week to students in small groups of 15 each, during Autumn, Winter, and Spring Terms (36 hours).

Lecturers and Demonstrators

## 3. COURSE IN APPLIED PATHOLOGY (Third and Fourth Years.)

- A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter and Spring Terms (54 hours). . . . . Professor Duff

- B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter, and Spring Terms. Time according to material.

Pathological Institute. . . . . Professor Duff and Dr. Wilson

Montreal General Hospital. . . . Dr. Pritchard and Dr. Mathews

Children's Memorial Hospital. . . . . Dr. Wigglesworth

*Text-books:*—MacCallum, A Text-Book of Pathology (Saunders); Karsner, Human Pathology (Lippincott); Boyd, Text-Book of Pathology (Lea & Febiger); Muir, Text-Book of Pathology (Arnold); Moore, Text-Book of Pathology (Saunders);

*Reference Books.*

*General:*—Bell, Text-Book of Pathology (Macmillan); Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Forbus, Reaction to Injury (Williams & Wilkins); Reimann,



Kaufmann's Pathology (Blakiston); Smith & Gault, Essentials of Pathology (Appleton Century); Ewing, Neoplastic Diseases (Saunders); Willis, The Spread of Tumours in the Human Body (Churchill);

*Special*:—Naegeli, Blutkrankheiten und Blutdiagnostik, (Julius Springer); Whitby & Britton, Disorders of the Blood (Churchill);

Biggart, Pathology of the Nervous System (Livingstone); Buzzard and Greenfield, Pathology of the Nervous System (Churchill); Freeman, Neuropathology (Saunders);

Novak, Gynæcological & Obstetrical Pathology (Saunders);

Geschikter & Copeland, Tumours of Bone (American Journal of Cancer);

Farber, The Post Mortem Examination (Charles Thomas); Mallory, Pathological Technique (Saunders); Saphir, Autopsy Diagnosis and technique (Hoerber).

#### BACTERIOLOGY AND IMMUNOLOGY

<i>Professors</i> .....	{ E. G. D. MURRAY, <i>Chairman</i> FREDERICK SMITH D. S. FLEMING
<i>Assistant Professors</i> .....	{ G. G. KALZ C. D. KELLY J. W. STEVENSON J. DE VRIES
<i>Lecturers</i> .....	{ A. LEDUC A. M. MASSON
<i>Demonstrator</i> ( <i>Teaching Fellow</i> ).....	M. J. KAHNKE
<i>Research Fellow</i> .....	CATHERINE MACPHERSON

#### COURSES

All lectures and laboratory courses are given in the Department of Bacteriology (Pathological Institute).

##### 1. ELEMENTARY MEDICAL BACTERIOLOGY AND IMMUNOLOGY.

30 Lectures and 63 hours practical work commencing September, 1st Medical Term 2nd Year.

Available to Medical students on the satisfactory completion of their studies in Anatomy, Physiology, Histology, and Biochemistry.



2. APPLIED MEDICAL BACTERIOLOGY AND IMMUNOLOGY AND THE PROCESSES OF INFECTIOUS DISEASES.

20 Lectures and 40 hours of demonstrations commencing November 15th, 2nd Medical Term 2nd Year.

3. BACTERIOLOGY AND IMMUNOLOGY for Honours B.Sc. Degree.

The class is limited in size and priority is given to Honours students in their fourth year. Students in the Faculty of Graduate Studies are admitted only if they have suitable qualifications and if there are vacancies.

77 Lectures and 308 hours practical work with 50 hours discussion periods throughout the year (3 full courses). Biochemistry 5 (lectures only) is compulsory. One other course is to be selected by the students.

6. BACTERIOLOGY AND IMMUNOLOGY for the M.Sc. Degree.

8. APPLIED BACTERIOLOGY FOR GRADUATE NURSES (Certificate Course).

22 Lectures and 19 hours practical work. Available only to students in the School of Graduate Nurses commencing October to December in the First Term.

9. PUBLIC HEALTH BACTERIOLOGY AND IMMUNOLOGY.

Available to Post Graduate students for the Diploma or Master's Degree in Public Health. In association with the Department of Health and Social Medicine.

10. SEMINARS ON APPLIED BACTERIOLOGY IN RELATION TO PARTICULAR NURSING PROBLEMS (Degree Course).

14 periods of 2 hours commencing January for 14 weeks in the second Term. Available only to nurses taking the Degree Course and on the successful completion of Course 8. Limited to 20 students.

*Text-books:*—Hans Zinsser and G. Bayne-Jones, *Textbook of Bacteriology* (Appleton); R. Muir and J. Ritchie, *Manual of Bacteriology* (Oxford University Press); R. T. Hewlett and James McIntosh, *Manual of Bacteriology* (Churchill); T. J. Mackie and J. E. McCartney, *Practical Bacteriology* (Livingstone); J. W. Bigger, *Handbook of Bacteriology* (Bailliere Tindall & Cox); Hans Zinsser, *Resistance to Infectious Diseases* (Macmillan); W. W. C. Topley and G. S. Wilson, *The Principles of Bacteriology and Immunity* (Edward Arnold & Co.); W. W. C. Topley, *An Outline of Immunity* (Arnold); M. Langeron, *Precis de Microscopie* (Masson & Cie); D. H. Bergey, *Manual of Determinative Bacteriology* (Williams & Wilkins); E. O. Jordan and W. Burrows, *Text-Book of*



Bacteriology (Saunders); Frederick P. Gay, *Agents of Disease and Host Resistance* (C. C. Thomas); N. P. Sherwood, "Immunology" (Mosby Co.); H. Zinsser, J. F. Enders, L. D. Fothergill, "Immunity Principles and Application in Medicine and Public Health" (Macmillan Co.); R. W. Fairbrother, *A Text-book of Medical Bacteriology* (W. Heineman, Ltd.); R. J. Dubos, "The Bacterial Cell" (Harvard University Press); K. Landsteiner, "The Specificity of Serological Reactions" (Harvard University Press); F. M. Burnet, "Virus as Organism" (Harvard University Press).

### PARASITOLOGY

<i>Professor</i> . . . . .	T. W. M. CAMERON, <i>Chairman</i>
<i>Associate Professor</i> . . . . .	M. J. MILLER
<i>Assistant Professor</i> . . . . .	DONALD FAIRBAIRN
<i>Lecturers</i> . . . . .	{ L. P. E. CHOQUETTE E. MUNROE
<i>Demonstrators</i> . . . . .	{ _____ _____

### REQUIRED COURSES

#### SECOND YEAR

2A. HUMAN PARASITOLOGY.—This course on the animal parasites of man (protozoa, helminths and arthropods) comprises about 50 hours of instruction. Special attention is given to parasites found in North America, their diagnosis, bionomics and pathogenesis as well as to the more important animal vectors of disease. Exotic forms are more briefly discussed. In the practical class, each student examines all the important species as well as the lesions caused by them.

First term—Two lectures and one laboratory period per week.

ELECTIVE COURSES.—The Department not only provides facilities for advanced research work at the Institute of Parasitology, but offers didactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research).

*Text-book*:—Cameron, T. W. M., "The Parasites of Man in Temperate Climates" (2nd edition).



## HEALTH AND SOCIAL MEDICINE

<i>Strathcona Professor</i> .....	R. P. VIVIAN, <i>Chairman</i>
<i>Assistant Professors</i> .....	{ D. C. BEWS C. W. MACMILLAN H. E. BURKE W. H. CRUICKSHANK I. M. RABINOWITCH GRAHAM ROSS BARUCH SILVERMAN MARION WALL
<i>Lecturers</i> .....	
<i>Demonstrator</i> .....	AGNES M. FERGUSON

The instruction in Health and Social Medicine given to the medical undergraduates is designed to meet the requirements of the practitioner in Medicine. The importance of the subject is kept before the student throughout his course. Particularly stressed are the needs and opportunities in preventive medicine, and its social implications.

It is the aim of the Department to correlate the teaching of preventive medicine with the teaching of other departments in their special fields.

In First Year, a presentation is given of the historical and contemporary background, and of the development of the public health system; the various plans for medical care are discussed.

The Second Year curriculum comprises didactic lectures, group work, and field trips. The subjects cover Sanitation, Water, Milk and Food Control, Nutrition, Medical Statistics, and the Control of Communicable Diseases.

In Third Year, the hygienes are introduced, and students see the practical application of the lectures by means of field trips to tuberculosis and venereal disease clinics, industrial plants, pre-natal, infant, and school hygiene services, the care of the aged, and the operation of the Student Health Service. In Third Year also are given lectures in Medical Jurisprudence and Industrial Toxicology.

In Fourth Year, it is hoped to maintain still closer contact with the students through small seminar groups, special studies, etc.

*References:*—Smillie, Mustard, Rosenau, Bradford-Hill.



## TOXICOLOGY AND MEDICAL JURISPRUDENCE

A series of twenty-four lectures and demonstrations.

Professor Rabinowitch

*Toxicology:* 1. DEFINITIONS; 2. OCCURRENCE OF POISONING—Accidents. (Food. Industrial. Clothes and Cosmetics. Patent Medicines. Therapeutic. Other). Suicidal. Homicidal. 3. MODE OF ACTION OF POISONS: Modifying Causes—Form. Amount. Mode of Entry into Body. Age. Habit. Sleep. Physical Condition of Subject. Idiosyncrasy. Other. 4. CLASSIFICATION OF POISONS. 5. ACUTE POISONING: Diagnosis—Similarity Between Poisoning and Disease. General Evidence of Poisoning. Rules for Diagnosis. TREATMENT: Principles. General Treatment. Antidotes—Limitations. 6. LEGAL: Control of Poisons—Dangerous Drugs Acts and Regulations. Relation of Doctor to Pharmacist. Administration of Noxious Drugs. Narcotics. 7. MEDICO-LEGAL CONSIDERATIONS IN CASES OF POISONING: Accident. Suicide Murder. Duty of Doctor—In Suspected Cases. In Known Cases. Post-mortem examinations in Cases of Poisoning.

*Medical Jurisprudence:* A. 1. INTRODUCTION: Definitions—Law. Medicine. Forensic Medicine. 2. LEGAL POSITION OF DOCTORS. 3. OBLIGATION OF DOCTOR TO THE STATE: Medical Notifications and Certifications—Births. Stillbirths Infectious Diseases. Deaths. Other. 4. RESPONSIBILITIES TO PATIENT: Implied and Expressed Contracts. Professional Secrecy. Privileged Communications. Medico-legal Aspects of Physical Examinations—Consent. 5. MALPRACTICE: Civil. Criminal. Negligence. Contributory Negligence. Errors of Commission. Consultations. Responsibility for Assistants. "Reasonable Care and Judgment". B. LEGAL CRIMINAL PROCEDURE: 1. INVESTIGATION OF SUDDEN DEATHS AND DEATHS FROM UNNATURAL CAUSES—Coroner's Court. 2 MEDICAL EVIDENCE IN COURTS OF LAW: a. Documentary. b. Oral. c. Experimental. 3. GENERAL RULES OF CONDUCT FOR MEDICAL WITNESSES: Professional Secrecy. Privileged Communications. Precognitions. Fees. C. MEDICO-LEGAL ASPECTS OF DEATH: 1. Signs of Death. 2. Apparent Death. 3. Proximate Causes of Death. 4. Sudden Death. 5. Presumption of Death—Presumption of Survivorship. 6. Medico-Legal Forms of Death. 7. Post-Mortem Examinations for Medico-Legal Purposes. 8. Identification of the Dead. D. PERSONAL IDENTITY IN ITS MEDICO-LEGAL BEARINGS: For Civil Purposes. For Criminal Purposes. Mistaken Identity. E. BLOOD STAINS: Medico-legal information from Blood Stains. Blood Grouping. F. WOUNDS: 1. Legal Definition. 2. Types. 3. Medico-legal Examination of a Wounded Person. 4. Causes of Death from Wounds: 5. Wounds after Death. G. MEDICO-LEGAL ASPECTS OF PREGNANCY. H. ABORTION: Duty of Doctor in Cases of Suspected Criminal Abortion and in Cases of Known Criminal Abortion. I. IMPOTENCE AND STERILITY. J. RAPE. K. INFANTICIDE. L. MENTAL UNSOUNDNESS: Medical



Certification of the Insane. Protection of Certifying Physicians. Admission of Voluntary Patients to Institutions for the Insane. M. DRUNKENNESS: 1. Dianosis: Clinical. Chemical. 2. Medico-legal Aspects—Civil. Criminal.

*Text and Reference Books:*—Buchanan's Text Book of Forensic Medicine and Toxicology. Medical Jurisprudence and Toxicology—Glaister. Forensic Medicine—Kerr. Forensic Medicine—Littlejohn. Legal Medicine and Toxicology—Gonzales, Vance and Helpert. Toxicology—McNally. Forensic Medicine—Sydney Smith. Recent Advances in Forensic Medicine—Sydney Smith and Glaister. Taylor's Principles and Practice of Medical Jurisprudence.

### PHARMACOLOGY AND THERAPEUTICS

*Professor* . . . . . R. L. STEHLE, *Chairman*

*Associate Professor of  
Therapeutics* . . . . . D. S. LEWIS

*Associate Professor of  
Pharmacology* . . . . . K. I. MELVILLE

*Assistant Professor of  
Pharmacology* . . . . . \_\_\_\_\_

*Lecturer in Therapeutics* . . . . . W. DE M. SCRIVER

### PHARMACOLOGY

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

#### REQUIRED COURSES

- 1A. PHARMACOLOGY. The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Three lectures a week during the Winter Term supplemented by one conference and one demonstration a week. Second Year.

The conference groups are limited to four students each.

Professors Stehle, Melville, and \_\_\_\_\_

- 1B. PHARMACOLOGICAL LABORATORY. The experiments are chosen to illustrate the lecture course.

Two periods (six hours) a week during the Winter Term. Second Year.  
Professors Stehle, Melville, and \_\_\_\_\_



## THERAPEUTICS

The teaching of therapeutics will be closely linked with that of medicine.

## REQUIRED COURSES

2. PHARMACY AND PRESCRIPTION WRITING. Five lectures and five laboratory periods. Dr. Scriver
- 3A. THERAPEUTICS: Didactic Instruction. A series of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.
- 3B. THERAPEUTICS: Theatre Lectures. Fifteen clinical lectures to be given in the hospitals during the year in conjunction with the teaching of the Department of Medicine. Professor Lewis and Associates

*Text-books in Pharmacology.* Cushny, Sollmann, Clark, Thienes.  
*Text-books in Therapeutics.* Beckman, Lyon, Reiman, Goodman and Gilman.

## OPTIONS

Suitably prepared students may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

## MEDICINE

<i>Professors</i> .....	{ J. S. L. BROWNE, <i>Chairman</i>
	{ G. R. BROW
	{ E. S. MILLS
<i>Associate Professors</i> ...	{ K. A. EVELYN, E. H. MASON,
	{ I. M. RABINOWITCH
<i>Assistant Professors</i> ....	{ C. C. BIRCHARD, NEIL FEENEY,
	{ J. KEITH GORDON, MARTIN HOFFMAN,
	{ J. KAUFMANN, D. S. LEWIS,
	{ J. F. McINTOSH, H. S. MITCHELL,
	{ J. H. PALMER, BRAM ROSE,
<i>Lecturers</i> .....	{ W. DE M. SCRIVER, C. J. TIDMARSH
	{ L. J. ADAMS, MICHAEL ARONOVITCH,
	{ C. S. BARKER, R. C. BENNETTS,
	{ E. H. BENSLEY, J. O. W. BRABANDER,
	{ H. E. BURKE, R. A. CLEGHORN,
	{ G. A. COPPING, A. F. FOWLER,



<i>Lecturers</i> . . . . . (Contd.)	J. G. HOWLETT, W. R. KENNEDY, LOUIS LOWENSTEIN, W. G. McLELLAN, J. F. MEAKINS, D. L. MENDEL,
	S. ORTENBERG, C. J. PATTEE, H. N. SEGALL, McIVER SMITH, A. T. THOM, S. R. TOWNSEND, R. VANCE WARD, PAUL WEIL, H. P. WRIGHT
	D. BARZA, F. M. BOURNE, WM. COHEN, H. I. CRAMER, B. R. CUDDIHY, W. W. EAKIN, ALEC GORDON, GUY HAMEL,
	<i>Demonstrators</i> . . . . . R. G. M. HARBERT, A. W. LAPIN, H. E. MACDERMOT, R. D. McKENNA, BASIL ROBERTSON, FRANCES SELYE, G. SHIMO, C. B. SMITH G. E. WIGHT

## DERMATOLOGY

<i>Clinical Professors</i> . . . . .	J. F. BURGESS L. P. EREAU
<i>Lecturers</i> . . . . .	F. KALTZ D. S. MITCHELL B. USHER

## CLINICAL THERAPEUTICS

<i>Associate Professor</i> . . . . .	D. S. LEWIS
<i>Assistant Professor</i> . . . . .	C. W. FULLERTON
<i>Lecturers</i> . . . . .	W. DE M. SCRIVER GUY FISK ( <i>Physiotherapy</i> )

## THE CURRICULUM IN THE DEPARTMENT OF MEDICINE

## FOREWORD

The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease; to afford a knowledge of the technique and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students, teachers, and patients throughout the final years is of prime importance.



The close correlation of physiology, anatomy, and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The University lectures and clinical lectures are open to students of all years. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

#### REQUIRED COURSES

##### SECOND YEAR

#### Course II 1—*Integration of Physiology, Biochemistry and Anatomy with Medicine.*

Time—Last term of Second Year—Two lectures a week and one amphitheatre clinic.

Place—Medical Building, Montreal Neurological Institute Theatre.

Subject Material—This course covers in a systematic manner the deviations from the normal of the physiological and biochemical functions. These are correlated so as to explain symptoms and signs which may be found on physical examination as detected by clinical methods dealt with in Course II 2. This course follows a chronological order from birth to old age and is so interpreted as to give the student a panoramic view of these disturbances with a proper perspective.

Professors— and Browne

#### Course II 2—*A Practical Course in Clinical Methods.*

Time—Last term of Second Year.

Place—Outpatient Departments of the Royal Victoria and the Montreal General Hospitals.

Subject—Practical instruction 4 hours a week on Normal and Abnormal Physical Signs and one amphitheatre clinic.

#### Course II 3—*Laboratory Diagnosis.*

Time—Last term of Second Year.

Place—Medical Building.

Subject—Instruction and practice 2 periods a week in microscopy as applied to clinical medicine.

Assistant Professor McIntosh and Assistants



## THIRD YEAR

Course III 4—*Amphitheatre Clinics in General Medicine.*

Time—Once weekly throughout year.

Place—Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.

Course III 5—*Bedside Clinics and Practical Demonstrations.*

Time—Twice weekly during the medical trimester.

Place—Wards of the Royal Victoria and the Montreal General Hospitals.

Course III 6—*Clinico-Pathological Conference*

Time—Weekly during the medical trimester.

Place—The Royal Victoria and the Montreal General Hospitals.

Course III 7—*Case-Reporting.*

During the trimester in Medicine students will be assigned patients in the wards. They will be required to write case histories, make a general examination, note progress, and do such laboratory investigations as are within their scope and have access to all other Laboratory and X-Ray findings.

Course III 8—*A Practical Course in Diseases of Metabolism.*

Time—Weekly during the medical Trimester.

Place—Royal Victoria and the Montreal General Hospitals.

Subject—This course consists of weekly Ward Rounds in the two Hospitals.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting Medicine.

## FOURTH YEAR

Course IV 9—*Amphitheatre Clinics in General Medicine.*

Time—Once a week throughout year.

Place—Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating more complicated cases as compared to the third year.

Course IV 10—*Bedside Clinics and Practical Demonstration.*

Time—Twice weekly during medical quarter.

Place—Wards of the Royal Victoria and the Montreal General Hospitals.



Course IV 11—*Clinico-Pathological Conference.*

Time—Once a week during medical quarter.

Place—Royal Victoria and the Montreal General Hospitals.

Course IV 12—*A systematic course of lectures designed to give a general survey of laboratory procedures and their interpretation.*Course IV 13—*Clinical Therapeutics—practical bedside instruction.*

Time—Once a week during the medical quarter.

Place—Royal Victoria and the Montreal General Hospitals.

Course IV 14—*A Course of Lectures in Medicine.*

Time—One period a week throughout year.

Place—Medical Building.

Subject—Lectures in General Medicine to give a panorama of the subject. Professor ——— and Assistants

Course IV 15—*A course of lectures in Dermatology.*

Time—One period a week throughout the year.

Place—Medical Building.

Subject—Lectures in Dermatology and Syphilology.

Course IV 16—*Dermatology and Syphilology—practical instruction.*

Time—Twice a week during one quarter.

Place—Montreal General and Royal Victoria Hospitals.

## TEXT AND REFERENCE BOOKS

*Clinical Methods and Physical Diagnosis*:—Todd, "Clinical Methods"; Flint, "Physical Diagnosis"; Major, "Physical Diagnosis"; Murray, "Examination of the Patient"; Gradwohl, "Clinical Laboratory Methods and Diagnosis"; Hutchison and Hunter, "Clinical Methods"; Cabot & Adams, "Physical Diagnosis"; Department of Medicine, McGill University, "Guide to Medical Case Reporting".

*General Medicine*:—McLeod, "Physiology in Modern Medicine"; Best and Taylor, "Physiological Basis in Medical Practice"; Meakins, "Practice of Medicine"; Cecil, "Text Book of Medicine"; Davis, "Cyclopedia of Medicine"; White, "Heart Disease"; Norris and Landis, "Diseases of the Chest"; Eusterman and Balfour, "Stomach and Duodenum"; Hurst and Stuart, "Gastric and Duodenal Ulcer"; Joslin, "Diabetic Manual"; "Treatment of Diabetes Mellitus"; McLester, "Nutrition and Diet in Health and Disease"; Peters and Van Slyke, "Quantitative Clinical Chemistry"; Vol. 1, Interpretations; Kurzrok, "The Endocrines in Obstetrics and Gynecology"; "Pharmacopœa of the Teaching Hospitals".

*Dermatology*:—Walker, "Introduction to Dermatology"; MacLeod, "Diseases of the Skin"; Sutton and Sutton, "Diseases of the Skin"; Ormsby, "Diseases of the Skin".



## PSYCHIATRY

<i>Professor</i> .....	D. E. CAMERON, <i>Chairman</i>
	{ R. A. CLEGHORN
	{ F. R. HANSON
	{ R. B. MALMO
<i>Assistant Professors</i> .....	{ A. E. MOLL
	{ MIGUEL PRADOS
	{ G. E. REED
	{ BARUCH SILVERMAN
	{ KARL STERN
<i>Lecturers</i> .....	{ T. E. DANCEY
	{ A. A. MCKAY
	{ SAUL ALBERT
	{ J. BEAUBIEN
	{ WALTER BREMNER
<i>Demonstrators</i> .....	{ H. HERSHON
	{ LLOYD HISEY
	{ H. LEHMAN
	{ C. A. SKITCH
	{ M. STRAKER

## REQUIRED COURSES

1. **PSYCHOBIOLOGY**—A course of twelve lectures will be given in the first year. In this course, the various aspects of human behaviour will be stressed, with special reference to their relationship to medicine.  
Professor Cameron
2. **PSYCHIATRY**—Eighteen lectures on the basis behavioral disorders will be given. During the second year both those disorders which require hospitalization and those which can be dealt with on an ambulant basis will be considered.  
Professor Reed and Assistants
3. 70 hours of clinical instruction will be given during the third year. This instruction will be held primarily on the wards of the teaching hospitals and in the Out Patient Departments.  
Professors Cameron, Prados, and Moll, and Dr. Dancey
4. A course of eight lectures will be given on child psychiatry during the fourth year.  
Professor Silverman
5. Clinical demonstrations, out-patient instruction and ward rounds will be held during the fourth year. Certain of these will be devoted to early behavioral disturbances, psychosomatic and toxic states, and drug addictions.  
Professors Cameron, Stern, and Cleghorn



6. Instruction will be given in adult out-patient psychiatry in the Psychiatric Outdoor Department in the Royal Victoria Hospital, and in child out-patient psychiatry at the Mental Hygiene Institute.  
Professors Prados and Silverman
7. Instruction in the care of long term cases, and institutional psychiatry, will be given at the Allan Memorial Institute and Verdun Protestant Hospital.  
Professor Reed and Drs. Skitch and Lehman

## PAEDIATRICS

<i>Professor</i> .....	ALTON GOLDBLOOM, <i>Chairman</i>
<i>Associate Professors</i> .....	{ L. M. LINDSAY S. G. ROSS
<i>Assistant Professors</i> .....	{ A. K. GEDDES ALAN ROSS
<i>Lecturers</i> .....	{ H. L. BACAL, P. N. MACDERMOT JESSIE SCRIVER, E. M. WORDEN
	{ B. BENJAMIN, H. FRIEDMAN-BRICKMAN, R. L. DENTON, S. I. DOUBILET,
<i>Demonstrators</i> .....	{ D. KLEIN, FRANCES MCCALL, D. R. MCCRIMMON, J. H. O'NEILL, F. SHIPPAM, CAMERON STEWART, S. J. USHER, ISOBEL WRIGHT

## REQUIRED COURSES

## 1. LECTURES:

(a) An Introductory course of 10 lectures in the winter term of the second year covering physical and mental development of the infant and child, the bases of nutritional requirements of the growing child, mineral and water metabolism, the embryology of congenital defects.

(b) A series of 36 lectures once weekly during the third year designed to cover the various aspects of Diseases of Children; Nutrition, Hygiene, Infections, Communicable Diseases, Preventive Medicine etc.  
Professor Goldbloom and Staff

## 2. DISEASES OF THE NEWBORN: Royal Victoria Maternity Pavilion.

A weekly clinic-demonstration to groups of students of the third year during their obstetrical quarter.

Professors Goldbloom, G. Ross, Geddes, and A. Ross, and Drs. Scriver and Worden



## 3. CLINICAL PAEDIATRICS:

(a) During the third year the class is divided into groups, each group devoting the mornings of six weeks to Clinical instruction at the Children's Memorial Hospital.

(b) Groups during the final year will spend four weeks entirely at the Children's Memorial Hospital as clinical clerks under tutors—3 or 4 students to each tutor. Work will be divided between the wards and the out-patients department.

Professors Goldbloom, G. Ross, A. Ross, and Geddes, and Staff

(c) Care and feeding of the normal infant, immunization procedures, preventive paediatrics; Child Welfare Clinics.

Drs. Scriver, Usher, Doubilet, and Benjamin

(d) Infectious Diseases.

A series of demonstrations to groups of students on the common infectious diseases is given at the Alexandra Hospital as part of the instruction of the final year.

Drs. Worden and Stewart

*Text-books:* Holt and McIntosh, "Diseases of Infancy and Childhood"; Mitchell and Nelson, "Diseases of Infants and Children"; Porter and Carter, "Management of the Sick Infant and Child"; Smith, "Physiology of the New Born Infant"; Bakwin, "Psychologic care during infancy and childhood."

*Reference Books:* Brenneman, "Practice of Paediatrics" (4 volumes); Parsons and Barling, "Diseases of Infancy and Childhood" (2 volumes); Langdon, "Home Guidance for Young Children"; Abt's "Paediatrics" (8 volumes); Still, "Common Disorders and Diseases of Childhood"; John Thomson, "Clinical Study and Treatment of Sick Children"; Von Reuss, "Diseases of the New Born"; Gesell, "The Embryology of Behaviour"; Patten, "Human Embryology"; Brown and Tisdall, "Common Procedures in Paediatrics"; Goldbloom, "Care of the Child".



## DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

<i>Professor of Neurology and Neurosurgery</i> . . . . .	WILDER PENFIELD, <i>Chairman</i>
<i>Associate Professor of Neurosurgery</i> . . . . .	WILLIAM CONE
<i>Associate Professor of Neurology</i> . . . . .	DONALD McEACHERN
<i>Assistant Professors of Neurology</i> . . . . .	{ FRANCIS McNAUGHTON ARTHUR W. YOUNG
<i>Assistant Professor of Neurosurgery</i> . . . . .	ARTHUR ELVIDGE
<i>Assistant Professor of Neurological Radiology</i> . . . . .	DONALD McRAE
<i>Assistant Professors of Experimental Neurology</i> . . . . .	{ K. A. C. ELLIOTT HERBERT JASPER JOHN KERSHMAN J. PRESTON ROBB
<i>Lecturers in Neurology</i> . . . . .	LAMAR ROBERTS
<i>Demonstrator in Neurology</i> . . . . .	{ HAROLD W. ELLIOTT FRANCIS O'BRIEN W. KEASLEY WELCH MAITLAND BALDWIN HARRY STEELMAN C. MILLER FISHER
<i>Demonstrators in Neurosurgery</i> . . . . .	
<i>Demonstrators in Neuropathology</i> . . . . .	
<i>Demonstrator in Neuroanatomy</i> . . . . .	
<i>Research Fellow (Faculty of Graduate Studies and Research)</i> . . . . .	BORIS BABKIN { JOHN BATES GUY COURTOIS DANA DARNLEY H. F. FLANIGIN R. G. GINDE* CLARENCE GREENE** J. W. HANBERRY JOHN HUNTER W. C. KITE ROBERT KNIGHTON*** KRISTIAN KRISTIANSEN J. W. MARKHAM JOHN MEYER JERZY OLSZEWSKI J. PANET-RAYMOND R. RABINOVITCH J. W. SCOTT NORMAN SLOAN J. G. STRATFORD J. VASQUEZ J. E. ZIEGLER***
<i>Fellows of the Montreal Neurological Institute</i> . . . . .	

\*Indian Government Fellowship

\*\*Rockefeller Fellowship

\*\*\*U.S. National Research Council Fellowship



## OUTLINE OF COURSES, 1948-49

## SECOND YEAR

- 2A *(Anatomy 2) Neuroanatomy.* Lectures and laboratory. Department of Anatomy. Assistant Professor McNaughton and Dr. Fisher
- 2B *Clinical Neuroanatomy and Neurophysiology.* 4 lectures. Department of Medicine. Assistant Professors McNaughton and Jasper
- 2C *Physical Examination of the Nervous System.* 2 theatre clinics. Department of Medicine (1 at M.G.H., 1 at R.V.H.). Dr. Robb

## THIRD YEAR

- 3A *Survey of Neurology and Neurosurgery.* 24 lectures. Saturdays, 8:45-9:40. M.N.I. Amphitheatre. Professor Penfield and Assistant Professor McNaughton

## FOURTH YEAR

- 4A *Neurological and Neurosurgical Clinics.* 20 theatre clinics. Saturdays, 10:00-11:00. M.N.I. Amphitheatre. Associate Professors Cone and McEachern
- 4B-1 *Neurological O.P.D.* R.V.H. Outpatient Department. Monday and Thursday\*, 2:00-3:00. Associate Professor McEachern and Assistants
- 4C-1 *Neurology Ward Classes.* Department of Medicine. Wednesdays, 8:45-9:45 (R.V.H. group). Assistant Professor Young
- 4B-2 *Combined Neurological O.P.D. and Ward Classes.* M.G.H. Mondays & Fridays, 2:00-3:00 (M.G.H. group). Assistant Professor McNaughton and Assistants
- 4C-2
- 4D-1 *Neurosurgery Ward Classes.* Department of Surgery. M.N.I. (R.V.H. group). Mondays, 1:00-2:00. Associate Professor Cone and Assistants
- 4D-2 *Neurosurgery Ward Classes.* Department of Surgery. M.N.I. (M.G.H. group). Thursdays, 1:00-2:00. Assistant Professor Elvidge and Assistants
- 4E-1 *Neurology Seminar.* R.V.H. Outpatient Department. Tuesdays, 3:45-4:45. Assistant Professor McNaughton and Dr. Robb
- 4E-2 *Neurology Seminar.* M.G.H. Outpatient Department. Fridays, 3:00-4:00. Assistant Professor McNaughton and Dr. Robb

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\*Two Thursdays per month only.



## ELECTIVE COURSES.

- A. *Seminar in Neuroanatomy.* M.N.I. 4 hours weekly (12 weeks).  
 1. Lectures, demonstrations and discussions.  
 2. Construction of brain model by selected group.  
 Two evenings, beginning in November.  
 Assistant Professor McNaughton
- B. *Seminar in Neurophysiology.* M.N.I. 3 hours weekly (12 weeks).  
 Laboratory demonstrations, lectures and discussions. Mondays,  
 5-6 and 8-10, beginning in November.  
 Assistant Professor Jasper and Dr. Babkin
- C. *Colloquium in Clinical Neurology.* 2 hours weekly. Clinics  
 and lectures. Wednesdays, 5 P.M., M.N.I.  
 Assistant Professor McNaughton
- D. *Colloquium in Neurosurgery and Electroencephalography.* M.N.I.  
 1 hour weekly. Fridays, 4 P.M. (10 months).  
 Professor Penfield and Assistant Professor Jasper

## SURGERY

Professor.....	G. GAVIN MILLER, <i>Chairman</i>
Associate Professors.....	J. C. ARMOUR, H. M. ELDER, R. R. FITZGERALD D. E. ROSS, A. L. WILKIE H. L. DAWSON MERCIER FAUTEUX C. M. GARDNER J. C. LUKE, C. A. MCINTOSH, D. W. MACKENZIE, JR.
Assistant Professors.....	S. J. MARTIN, H. S. MORTON, H. F. MOSELEY, ALBERT ROSS, P. G. ROWE, A. J. STEWART H. A. BAXTER, S. G. BAXTER, H. S. DOLAN, JOHN GERRIE, MARK KAUFMANN G. D. LITTLE
Lecturers.....	E. A. MCNAUGHTON H. G. PRETTY A. M. VINEBERG D. R. WEBSTER F. D. ACKMAN, A. R. BAZIN, E. H. CAYFORD, E. M. COOPER, W. M. COUPER, G. A. HOLLAND, R. M. LAWSON C. K. MCLEOD W. W. RUDDICK, J. C. SUTTON
Demonstrators.....	



## ORTHOPAEDIC SURGERY

<i>Assistant Professors</i> .....	{ J. G. PETRIE
	{ J. G. SHANNON
<i>Demonstrators</i> .....	{ W. G. BRECKENRIDGE
	{ J. J. DINAN
	{ S. E. GOLDMAN
	{ G. H. RAYMOND
	{ J. A. L. WALKER
	{ F. W. WOOLHOUSE

## UROLOGY

<i>Clinical Professors</i> .....	{ R. E. POWELL
	{ E. S. SMITH
<i>Lecturers</i> .....	{ A. B. HAWTHORNE
	{ S. A. MACDONALD
	{ R. G. REID
	{ M. I. SENG
<i>Demonstrators</i> .....	{ J. T. MACLEAN
	{ MAX RATNER
	{ ALEX. STRASBERG
	{ A. M. J. TANNEY

## REQUIRED COURSES

## SECOND YEAR

Surgical teaching begins in the spring term (16 weeks) of the Second Year. In this year special attention is directed to the instruction and training of the student, in proper methods of physical examination, from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.

- 2A. *A course of lectures* (16) covering the history of Surgery and an introduction to the study of surgical diseases. This course includes lectures on "First Aid."
- 2B. *Group classes* in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

## THIRD YEAR

The student comes into a more intimate contact with the patients, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, and assists at operations.



- \*3A. *Amphitheatre Clinics and Demonstrations* in the Montreal General and Royal Victoria Hospitals, two days a week throughout the year.
- 3B. *Group Ward classes* in the Montreal General and the Royal Victoria Hospitals, three times a week during the term.
- 3C. *Case Reporting*. Patients are allotted to students who act as reporters, dressers, and assistants at operations.

#### FOURTH YEAR

- \*4A. *Amphitheatre Clinics and Demonstrations* in the Montreal General and Royal Victoria Hospitals alternately, once a week throughout term.
- 4B. *Group Ward Classes and Ward rounds* in the Montreal General and Royal Victoria Hospitals, four times a week during the surgical quarter.
- 4C. *Case Reporting*
- 4D. *Clinico-Pathological conferences* once a week during the term, jointly with the Department of Pathology, at the Montreal General and Royal Victoria Hospitals.

SURGICAL DISEASES OF CHILDREN.—Instruction in the surgical diseases of children is given during the trimester in which the students are assigned to pædiatrics at the Children's Memorial Hospital, as follows:—

- 4A. *Amphitheatre Clinics* once a week throughout trimester.
- 4B. *Group Ward Classes* three times a week throughout trimester.

#### ORTHOPAEDIC SURGERY

##### FOURTH YEAR

- 4A. *Clinical Lectures*. A course of 8 lectures given at the hospitals.
- 4B. *Ward Classes* at the Montreal General and Royal Victoria Hospitals, once a week during the surgical trimester.
- 4C. *Group Classes in the Out-door Department* of the Montreal General and Royal Victoria Hospitals, twice a week during the surgical trimester.

ANAESTHESIA.—Instruction in anaesthesia is given by the Department of Pharmacology and Clinical Therapeutics. Students are given practical instruction in the administration of anaesthetics, during their surgical trimesters in the Third and Fourth Years at the Montreal General and Royal Victoria Hospitals.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology and Bacteriology.

\*Amphitheatre Clinics 3A and 4A are so arranged that all surgical subjects are presented during the two year course.



The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

## SECOND YEAR

## UROLOGY

2A. *Clinical Urology*

Group classes, 4 demonstrations, in which instruction in methods of Urological examination is given in the Montreal General and Royal Victoria Hospitals.

(See Surgery—2B).

## FOURTH YEAR

4A. *Clinical Lectures*—a course of theatre clinics in each of the hospitals.

4B. *Urological Clinics*—Ward Classes

The Montreal General Hospital—3 classes a week.

Royal Victoria Hospital—3 classes a week

4C. *Case Reporting in Urological Wards.*

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics, and demonstrations and group teaching in the wards and out-patient departments of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

*Text-books:—*

1. *General Surgery*: John Homans, "A Text-book of Surgery"; Choyce, C. C., "A System of Surgery"; Gask and Wilson, "Surgery"; Hamilton Bailey, "Demonstrations of Physical Signs in Clinical Surgery"; Christopher; Cole and Elman; Romanis and Mitchener; Handfield, Jones and Porrett, "The Essentials of Modern Surgery"; Rose and Carless, "Manual of Surgery"; Berman's Synopsis of Principles of Surgery; Pack and Livingston's "Treatment of Carcinoma"; Christopher's "Minor Surgery".

2. *Emergency Surgery*: Sluss, John W., "Manual of Emergency Surgery"; Cole & Puestow, "Advanced First Aid".

3. *Surgical Anatomy*: McGregor, "Synopsis of Surgical Anatomy"; Treves, "Surgical Applied Anatomy".

4. *Fractures and Dislocations*: Scudder, Charles L., "Treatment of Fractures"; Wilson and Cochrane, "Fractures and Dislocations"; Magnuson's "Fractures"; Stimson's "Manual of Fractures and Dislocations"; Wilson's "Management of Fractures"; Key and Conwell's "Fractures and Dislocations"; Watson Jones "Fractures and other Bone and Joint Injuries"; Key and Conwell, "Fractures, Dislocations and Sprains"; Eve's Handbook of Fractures.



5. *Case Reporting*: White, J. Renfrew, "The Clinical Examination of Surgical Cases"; Geckeler's "Fractures and Dislocations."

6. *Urology*: Eisendrath and Rolnick's "Urology"; Herman's "Practice of Urology"; Hinman's "Principles and Practice of Urology"; Keyes and Ferguson's "Urology"; Young's "Practice of Urology"; Le Comte's Manual of Urology.

7. *Orthopædic Surgery*: Whitman's "Orthopædic Surgery"; Jones, "Orthopædic Surgery of Injuries"; Jones and Lovett, "Orthopædic Surgery"; Mercer's "Orthopædic Surgery"; Willis Campbell's "Orthopædic Operations"; Sever's "Handbook of Operative Surgery"; Steindler's "Orthopædic Operations".

#### DEPARTMENT OF ANAESTHESIA

<i>Assistant Professor</i> .....	WESLEY BOURNE, <i>Chairman</i>
<i>Assistant Professors</i> .....	{ C. C. STEWART F. A. H. WILKINSON
<i>Lecturers</i> .....	{ R. S. FERGUSON H. R. GRIFFITH C. R. STEPHEN W. C. STOCKWELL
<i>Demonstrators</i> .....	{ W. G. CULLEN R. G. B. GILBERT J. J. KELLY P. E. O'SHAUGHNESSY A. M. TORRIE

#### UNDERGRADUATES

Students in Medicine, before their third year will have been introduced to the subject of Anæsthesia by the teachers in Anatomy, Biochemistry, Pharmacology, and Physiology.

During the Third Year, ten lectures are given. All of these lead on from the academic to the clinical aspect. In these lectures sound motion pictures are shown. As time goes on, reading matter is prescribed.

At the end of the third year students are required to be certified as having fulfilled the requirements of the department.

In the final year each undergraduate student spends at least six days with an anaesthetist and acts as his assistant.



## DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

<i>Professor</i> .....	N. W. PHILPOTT, <i>Chairman</i>
<i>Associate Professor</i> .....	A. D. CAMPBELL
<i>Assistant Professors</i> .....	{ W. A. G. BAULD J. S. HENRY G. C. MELHADO G. A. SIMPSON
<i>Lecturers</i> .....	{ W. R. FOOTE P. J. KEARNS K. T. MACFARLANE G. B. MAUGHAN I. Y. PATRICK ELEANOR PERCIVAL D. W. SPARLING CLIFFORD WARD
<i>Sessional Lecturer</i> .....	GEORGE STREAN
<i>Demonstrators</i> .....	{ J. E. AYRE, S. GOLD, M. HENDELMAN H. T. LYON J. L. MACARTHUR
<i>A. A. Browne Fellow and Demon- strator</i> .....	GRACE DONNELLY
<i>Teaching Fellows</i> .....	{ H. OXORN THOMAS PRIMROSE
<i>Research Fellow</i> .....	J. H. MALONEY

The entire course is arranged on the basis of imparting a practical knowledge of Obstetrics, Gynæcology, and the Care of the New-born. The value of intimate contact with the patient in the normal and the pathological state is stressed.

The privilege of serving as an interne in the hospital for two weeks treating the patients from the time of admission till discharge from hospital is an ideal arrangement. Rooms are provided in the Women's Pavilion where the students may reside, in groups of six, during this period.

## OBSTETRICS

## REQUIRED COURSES

## SECOND YEAR

Sixteen lectures are given as an introduction to the subject. These lectures are relative to the anatomy and physiology of the genital tract. The physiology of pregnancy is also described. Professor Philpott



## THIRD YEAR

1. Nineteen lectures describe the physiology of labor and the puerperium. The major pathological lesions relative to parturition are described.  
Senior Members of the Staff
2. Thirty demonstrations are given in Obstetrical palpation and on the manikin, with the aid of models, diagrams, lantern slides and moving pictures.  
Given by Members of the Staff
3. Clinical instruction for twelve periods in case-rooms and wards.  
Given by Members of the Staff
4. Ten lectures concerning early development of the embryo and the histopathology of the genital organs.  
Given by Members of the Staff
5. Ten lectures or demonstration periods relative to the care of the New-born.  
Professor Goldbloom and Professor Ross

## FOURTH YEAR

1. Thirty-five Clinical Conferences for all Fourth Year students, Wednesday, 12:45 to 1:45 p.m., illustrating the more important Obstetrical conditions.  
Professor Philpott
2. General Ward Rounds held once a week are arranged to give a complete account of the work of the hospital. This is attended by those students in the current Obstetrical Course.  
Professor Philpott
3. Thirty lecture demonstrations are held in the Lecture Theatre or Case Room on the following subjects:  

Normal Labour . . . . .	Professor Philpott
Dystocia . . . . .	Professor Melhado
Hæmorrhage . . . . .	Professor Henry
Puerperal Infection . . . . .	Professor Campbell
Toxæmia of Pregnancy . . . . .	Dr. Patrick
4. Fourteen instructions periods chiefly concerning ante-natal care including conduct of pregnancy, labour etc.  
Given by Senior Members of the Staff

## GYNAECOLOGY

1. Theatre clinics and bedside instruction in the Royal Victoria and Montreal General Hospitals.  
Professors Philpott and Campbell and Staff
2. A special course on Gynæcological Pathology.  
Dr. Kearns and Staff
3. Methods of Gynæcological examination, diagnosis and treatment in the outdoor departments.



4. A special course of instruction, once a week, through the year in the cancer clinic on methods of diagnosis and treatment of cancer, dealing especially with Radium and X-Ray.

Professor Bauld and Staff

### TEXT AND REFERENCE BOOKS

#### OBSTETRICS

- |                        |   |
|------------------------|---|
| (1) De Lee-Greenhill   | Principles and Practice of Obstetrics.        |
| (2) Stander            | Text book on Obstetrics.                      |
| (3) Bland              | Practice of Obstetrics.                       |
| (4) Miller, J.         | Manual of Obstetrics.                         |
| (5) Appleton           | Obstetrical and Gynaecological Monographs.    |
| (6) Irving             | Text book on Obstetrics.                      |
| (7) Beck               | Obstetrical practice.                         |
| (8) Adair              | Obstetrics.                                   |
| (9) Scott and Van Wyck | The Essentials of Obstetrics and Gynaecology. |

#### GYNÆCOLOGY

- |                       |  |
|-----------------------|--|
| (1) Curtis            | Text book of Gynæcology and System of Gynæcology and Obstetrics. |
| (2) Ten Teachers      | Diseases of Women.   |
| (3) Monroe Kerr       | Gynæcology.  |
| (4) Goodall           | Puerperal Infection.   |
| (5) Crossen           | Gynæcology.  |
| (6) Kennedy, Campbell | Vaginal Hysterectomy.  |
| (7) Novak             | Text book of Gynæcology.   |

### OPHTHALMOLOGY

<i>Professor</i> .....	J. A. MacMILLAN
<i>Associate Professor</i> .....	G. STUART RAMSEY, <i>Chairman</i>
<i>Assistant Professor</i> .....	J. ROSENBAUM
<i>Lecturers</i> .....	<div style="display: inline-block; vertical-align: middle;"> <div style="display: inline-block; vertical-align: middle;">{</div> <div style="display: inline-block; vertical-align: middle;"> B. ALEXANDER  K. B. JOHNSTON  J. V. V. NICHOLLS  R. J. VIGER </div> </div>
<i>Demonstrator</i> .....	L. S. S. KIRSCHBERG

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses in the Third and Fourth Year of the Medical Course:—



## THIRD YEAR

## 1. ROUTINE EXAMINATION OF THE EYE.

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course. Five hours..... Professor MacMillan and members of the Staff

## 2. LECTURE DEMONSTRATIONS TO ENTIRE CLASS.

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the Final Year.

Ten hours..... Professor MacMillan

## FOURTH YEAR

## CLINICAL OPHTHALMOLOGY.

This teaching is conducted in the Ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals. The class is divided into groups of ten, each group receiving twenty-five hours instruction. Ocular problems that are of greatest moment in general practice are discussed. This includes the external diseases of the eye, the main ophthalmological findings in systemic disorders, affections of the nervous system, and as far as possible a co-relation of the clinical and histological ocular changes.

Professor MacMillan and members of the Staff

*Text-books*:—May, Gifford, Parsons, Berens.

*Reference books*:—Duke-Elder.

## OTO-LARYNGOLOGY

<i>Associate Professors</i> .....	{ D. H. BALLON, <i>Chairman</i> G. E. HODGE A. O. FREEDMAN
<i>Assistant Professors</i> .....	{ K. O. HUTCHISON W. J. McNALLY G. E. TREMBLE
<i>Lecturers</i> .....	{ E. E. SCHARFE E. A. STUART W. CHAPIN
<i>Demonstrators</i> .....	{ H. E. McHUGH F. W. SHAVER



Instruction in Oto-Laryngology is given to students of the third and fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

### THIRD YEAR

A course of 5 demonstrations is given to students of the Third Year. These demonstrations deal with the normal anatomy of the ear, nose, and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose, and throat. Ward rounds are made to illustrate the pre- and post-operative methods of treatment.

#### *Lecture Course:*

Ten practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the œsophagus.

### FOURTH YEAR

Sixteen clinical demonstrations are given in the out-patient departments and wards of the hospital. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

*Text and Reference Books:*—Sir St. Clair Thomson and Negus: Diseases of the Nose and Throat; Ballenger: A Manual of Otology, Rhinology and Laryngology—MacMillan Co. of Canada Ltd, Toronto, Ont; Geo. D. Wolfe: Ear, Nose and Throat; J. B. Lippincott Co; Jackson and Jackson: Diseases of the Nose, Throat and Ear; W. B. Saunders Co.; Chevalier Jackson: Bronchoscopy, Oesophagoscopy and Gastroscopy—W. B. Saunders Co.; D. H. Ballou: Chapters on Bronchoscopy and Oesophagoscopy in Surgical Diseases of the Chest by Evarts A. Graham, J. J. Singer, Harry C. Ballou.



## RADIOLOGY

<i>Associate Professor</i> .....	CARLETON B. PIERCE, <i>Chairman</i>
<i>Assistant Professors</i> .....	{ J. J. L. BOUCHARD J. W. MCKAY D. L. McRAE
<i>Demonstrators</i> .....	{ N. M. BROWN G. I. NORTON J.-CHS. ROBITAILLE

## FIRST YEAR

In co-operation with the Department of Anatomy, demonstrations are given of the Roentgenologic anatomy of the skeletal, respiratory, gastrointestinal, and urogenital systems, including fluoroscopic demonstrations of functional anatomy of joints, the thoracic viscera, and the alimentary tract.

Associate Professor Peirce and Staff

## SECOND YEAR

## INTRODUCTION TO RADIOLOGY

In co-operation with the Department of Medicine (Course II 2) as an introduction to special methods in Physical Diagnosis, the various means of Radiologic examination are demonstrated to small groups of students in the Montreal General Hospital and the Royal Victoria Hospital. The fluoroscopic and roentgenographic methods of study of the cardio-respiratory and gastro-intestinal systems especially are compared with the clinical means in physical examination.

Associate Professor Peirce and Staff

## THIRD YEAR

## III ROENTGEN PATHOLOGY AND RADIATION THERAPY:

A course of 24 lectures presenting the general features of roentgen interpretation, systemic roentgen pathology, and the principles of roentgen and radium therapy.

Associate Professor Peirce, Assistant Professors Bouchard, McKay and McRae, and Dr. Norton

## FOURTH YEAR

## IV-A CLINICAL RADIOLOGY:

(1) A course of six lectures on special clinical applications of roentgen rays and radium radiation.

Associate Professor Peirce and Members of the Staff



IV-A (2) Conference periods, two hours weekly each quarter during which the students in the several hospitals discuss clinical case material with the Members of the Department.

Children's Memorial Hospital—Asst. Professor McRae  
Montreal General Hospital, Asst. Professor McKay, and Staff  
Royal Victoria Hospital—Assoc. Professor Peirce,  
Asst. Professor Bouchard, and Staff

IV-A (3) Tumour Conference: The final year students attend Tumour or Neoplasm Conferences in the several teaching hospitals, wherein all means of diagnosis and treatment of malignant neoplasms, especially, are considered by representatives of all departments of the teaching staffs and their experience reviewed.

#### POST-GRADUATE INSTRUCTION.

Post-graduate training prerequisite to certification in the specialty by the Royal College of Physicians and Surgeons (Canada) or the American Board of Radiology is available in the teaching hospitals to selected graduates of approved Faculties or Schools of Medicine. Details of the Post-Graduate Course leading to the Diploma in Radiology of the Faculty of Medicine will be found in the Special Announcement concerning Courses of Graduate Instruction, Faculty of Medicine. Inquiries should be addressed to the Chairman of the Department.

*Text and Reference Books:*—Roentgen Interpretation, Holmes and Ruggles; Text Book of Radiology, Shanks, Kerly and Twining; Diagnostic Radiology, Golden (et al); Head and Neck in Roentgen Diagnosis, Pendergrass and Schaeffer; Roentgenology, Kohler; Urological Roentgenology, Wesson and Ruggles; Clinical Roentgenology of the Cardiovascular system, Roessler; The Digestive Tract, Barclay; Theoretical Principles of Roentgen Therapy, Pohle; Clinical Roentgen Therapy, Pohle; Physical Foundations of Radiology, Glasser, Quimby, Taylor and Weatherwax.



## GRADUATE INSTRUCTION

1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.
2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is \$30.00 a term (10 weeks).

A Diploma of Public Health and a Diploma of Tropical Medicine are granted by McGill University.

These courses are being conducted by the Department of Health and Social Medicine with the collaboration of other departments in the Faculty of Medicine and the assistance of members of other faculties in the University who have a special interest in this field. Practical instruction and application are made possible through the coöperation of the Department of Health of Montreal and voluntary health agencies.

The Department of Health and Social Medicine is housed in its new quarters at 490 Pine Avenue West, within easy access of the Medical Building. The building contains ample accommodation for lectures, seminars, and demonstrations. In addition to the excellent facilities of the Library of the Faculty of Medicine, which are at the disposal of students, the Department has its own library and reading-room. The building is also the headquarters of the Student Health Service.

## DIPLOMA OF PUBLIC HEALTH

The course is designed to train graduates in medicine in the increasingly wider concept of the public health service. It includes:

**SOCIOLOGY**, with special reference to the practice of Medicine;

**STATISTICAL METHODS** from the point of view of providing an understanding of the fundamental principles of statistics as they are applied to medical science for the critical analysis of surveys and reports; instruction is given in carrying on research involving statistical techniques;

**VITAL STATISTICS**, including Biometrics, stressing the importance of the accurate recording of essential data, observations, and other findings, together with their practical significance and application;

**EPIDEMIOLOGY** as defined in its broadest sense, including communicable disease control and the assessment of morbidity in non-communicable diseases;



PUBLIC HEALTH LAW and its administration;

HYGIENE OF THE ENVIRONMENT, including Sanitation, Housing, and Nutrition; Physiological Hygiene;

INDUSTRIAL TOXICOLOGY AND INDUSTRIAL HYGIENE;

HYGIENES (Physical and Mental): Maternal, Infant, Pre-School, School, and Adult;

BACTERIOLOGY, PARASITOLOGY, AND IMMUNOLOGY, as related to public health practice;

SOCIAL AND ECONOMIC FACTORS in Health; programs designed to deal with them;

PUBLIC HEALTH PRACTICE: The organization and administration of public health programs, including Preventive Medicine, especially as they pertain to the public health agency, the family physician, and the social worker;

FIELD WORK: A period of three months' approved field work must be undertaken before the Diploma is granted. Facilities are available in fields of special interest, such as Tuberculosis, Venereal Disease, School Health, etc.

Candidates for the Diploma of Public Health must be graduates in Medicine of a recognized university.

The Diploma of Public Health course covers one academic year from September 15, 1948, to the end of April, 1949, with three months' additional field work.

The Fee for the Diploma of Public Health is \$250.00, a portion of which—\$25.00—the candidate is requested to deposit on acceptance of his application.

Registration is from September 13 to 20, 1948.

#### DIPLOMA OF TROPICAL MEDICINE

Tropical Medicine is coming to occupy a prominent place in medical education in North America as a direct outcome of the war and the rapid advance of aeroplane travel.

The present course in Tropical Medicine is a development of the short course given during the war to members of the armed forces. It has been revised and adjusted to post-war conditions.

The course of didactic instruction occupies a full academic year. Classes for the first term are in common with those for the Diploma in Public Health. Those for the second term are held at the Institute of Parasitology at Macdonald College of McGill University. The teaching collection at the Institute is a large and representative one. The work is practical as well as theoretical, and includes a study of Parasitology and Medical Entomology, laboratory diagnoses of tropical and sub-tropical diseases, and lectures on the diseases of the tropics, on tropical hygiene, and minor sanitation.



Clinical instruction must, of necessity, be limited in temperate climates. This aspect is, therefore, deferred to the final part of the course which is given in the tropics at the conclusion of the didactic instruction. The course consists of clinical and field work for which arrangements have been made with Georgetown, British Guiana, Port of Spain, Trinidad, and Venezuela.

Candidates for the Diploma of Tropical Medicine must be graduates in medicine of a recognized university. Certain additional courses may be required of those who are not recent graduates or of those who have not had sufficient clinical practice.

The Fee for the Diploma of Tropical Medicine is \$250, or \$50.00 if preceded by the D.P.H. course at McGill University, or \$100.00 for those who have taken the D.P.H. elsewhere.

## BUILDINGS

### THE MEDICAL BUILDING

This building, erected in 1911, at a cost of over \$600,000, contains the Offices of Administration, the Medical Library (with its 74,000 volumes, its Reading Rooms and their complete set of technical journals), the Department of Anatomy, and the Museums of Anatomy and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The Laboratories for Histology and Embryology have excellent facilities with space for 120 students, and smaller rooms for research.

### THE BIOLOGICAL BUILDING

Completed in 1922 at a cost of over \$500,000, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Genetics, Biochemistry, Physiology, and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the Laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anaesthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.



### THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital by a tunnel, is situated on the Northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and includes a Pathological Museum and museum workshops. It combines under one roof quarters for teaching and research in these departments, both for the University and for the Royal Victoria Hospital. It provides ample facilities and equipment for instruction of students, and the research work of the Staff.

### THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neuro-surgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, laboratories, etc., the building provides complete residential accommodation for six research fellows.

### THE ALLAN MEMORIAL INSTITUTE

In 1943 a large building and site were donated as a basis for the development of an Institute of Psychiatry. The building has been reconstructed to permit of the establishment of a fifty bed unit, together with extensive research laboratories, and was officially opened July 12th, 1944. Plans have been drawn up for the carrying out of undergraduate and postgraduate teaching in the Faculty of Medicine.

### HOSPITALS

Few medical schools on this Continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thus made easy.



The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:—

Royal Victoria Hospital

Montreal General Hospital

Children's Memorial Hospital

Alexandra Hospital for Infectious Diseases.

Verdun Protestant Hospital

Royal Edward Laurentian Hospital

The Royal Victoria Montreal Maternity Hospital

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical School. These affiliated hospitals contain over 3,000 beds.

THE ROYAL VICTORIA HOSPITAL, in juxtaposition to the University buildings, is a general hospital for acute diseases and contains 693 beds and 96 cribs. In a typical year, it cared for 16,637 cases, while in its out-door department 68,994 cases were treated. Many new additions have been made in the Hospital. A modern University Medical Clinic was established in 1924.

There were 66.2% post-mortems.

The number of resident physicians is 70.

THE ROYAL VICTORIA-MONTREAL MATERNITY PAVILION, with 214 beds for obstetrical and gynæcological cases, was opened in June, 1926. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. In a typical year, the obstetrical service cared for 2,252 confinements in the Hospital and 210 in the Out-patient Service. In the gynæcological section, 1,803 cases were admitted during the year.

There are ten resident physicians.

THE MONTREAL GENERAL HOSPITAL, CENTRAL AND WESTERN DIVISIONS, is a general hospital for the treatment of acute diseases and contains 600 beds. In a recent year there were 12,200 admissions. The number of patients' visits to the Out-Patient Department of both Divisions totals 174,977. Many modern additions to the original buildings have been made permitting increased bed capacity. There is a large biochemical laboratory fully equipped for the complete investigation of the metabolic



aspects of disease and in conjunction with this department there is an out-patient clinic, one of the largest on the continent, for the treatment of diabetes mellitus. There were 573 autopsies performed which represents 85% of all autopsies obtainable, i.e., other than coroner's cases, etc. Post-mortem and surgical material at both Divisions is now used for teaching, and clinical teaching is carried out in the public wards at both Divisions. The number of resident physicians is 52. The Dental Clinic of the University completed in 1921 is located at the Central Division and has 50 dental chairs with a large and varied clientele. The number of visits to the Dental Clinic for a recent year was 19,065.

THE CHILDREN'S MEMORIAL HOSPITAL has 267 public beds, and, in a typical year, admitted 3,807 patients. The attendance at its out-door department totalled over 32,459 visits. This hospital admits all classes of cases of disease in children, and enables the students to get a broad concept of pædiatrics. Of special interest are the newly-built wards with cubicles, the Department of Remedial Gymnastics, the Open-air Pavilions, and the well-equipped out-patient service.

There were 97 autopsies in the year, which represented 88.3% of all deaths.

The number of resident physicians is 12.

THE ALEXANDRA HOSPITAL FOR INFECTIOUS DISEASES, opened in 1906, with modern wards, cubicles, and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are 172 beds, and, in a typical year, 2,008 patients were admitted to the hospital. There were 14 autopsies.

The number of resident physicians is 3.

THE VERDUN PROTESTANT HOSPITAL has 1,100 beds.

THE ROYAL EDWARD LAURENTIAN HOSPITAL, in its new building, 3674 St. Urbain St., has space for 70 beds, with operating room, X-Ray equipment, and modern facilities for the examination of patients; it is essentially a dispensary for tuberculosis and offers adequate material for teaching students the essential features of pulmonary disease.

The Royal Victoria Hospital is adjacent to the Medical School, while the other affiliated hospitals are within easy access. These hospitals, with their large clinical and laboratory facilities, and their close affiliation with the University, offer excellent opportunities for the study of disease in all its phases.



## LIBRARY

*Honorary Librarian* . . . . . R. L. STEHLE

The Library occupies the central front section of the medical building. It contains more than 74,000 bound volumes and an extensive collection of pamphlets, theses, government publications, and other items.

On the third floor are the pleasant, well-lighted reading room capable of accommodating seventy-five readers, and the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library—ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes, some dating back to the sixteenth century. Among the books and journals the ophthalmological section, due in large measure to many gifts from the late Dr. Casey A. Wood, is excellent.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7.30 to 10.00 p.m., except Saturdays, when it is closed at 5 p.m. After June 15th it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

## THE OSLER LIBRARY

*Librarian* . . . . . W. W. FRANCIS

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 9,500 volumes, occupies a large room, beautifully equipped, on the third floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death ("Bibliotheca Osleriana," Clarendon Press, Oxford, 1929, xxxvi, 785 pp.).



The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 137 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

## MEDICAL SOCIETIES

### 1. THE MCGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:—

- (1) To transact all matters of business connected with the undergraduate body.
- (2) To stimulate interest along medical lines.
- (3) To assist students to express themselves in public with facility.
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter, and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.



## 2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate, and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Third and Fourth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

## 3. THE OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.



McGill University



Montreal

Faculty of Medicine

1949-1950



THE UNIVERSITY OF CHICAGO PRESS  
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### THE PRESS SOCIETY

The Press Society was founded in the Spring of 1922 by a number of distinguished scholars who were then in the United States. The Society was organized to promote the highest standards of academic excellence and to the advancement of knowledge in all fields of inquiry. It is also committed to the highest standards of ethical conduct and to the highest standards of service to the academic community.

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# McGill University

**Montreal**



## Faculty of Medicine

**1949-1950**

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# McGill University

## FACULTY OF MEDICINE

### ADMINISTRATIVE OFFICERS

F. CYRIL JAMES, B.Com. (Lond.), M.A., Ph.D. (Penn.), D.Sc. (Clarkson),  
D.C.L. (Bishop's), LL.D. (Queen's, Toronto, London, New York, etc.),  
D. de l'U (Montréal), F.R.S.C., Chevalier de la Légion d'Honneur

*Principal*

JOHN J. O'NEILL, Ph.D. (Yale), M.Sc., F.G.S.A., F.R.S.C. *Vice-Principal*

G. LYMAN DUFF, B.Sc., M.A., M.D. (Tor.), F.R.S.C. *Dean of the Faculty*

D. S. FLEMING, B.A., M.D., C.M., D.P.H. (Tor.) *Secretary of the Faculty*

S. H. DOBELL, D.S.O. *Comptroller and Executive Assistant to the Principal*

WILLIAM BENTLEY, C.G.A., A.C.I.S., L.C.M.I. *Bursar*

T. H. MATTHEWS, M.A. (Oxon.) *Registrar*

RICHARD PENNINGTON, B.A. (Birmingham), Lib.Dip. (Lond.)  
*University Librarian*

R. L. STEHLE, M.A. (Ohio State), Ph.D. (Yale) *Honorary Medical Librarian*

W. W. FRANCIS, A.B., M.D. (Johns Hopkins)  
*Osler Librarian and Director of the Museum of the History of Medicine*

MISS G. D. MUDGE *Assistant Secretary of the Faculty*

Special announcements are available for the Schools of Physiotherapy, Graduate Nurses, and Physical Education.

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate announcement, which may be obtained from the Registrar's Office.



# McGill University

## FACULTY OF MEDICINE

### ADMINISTRATIVE OFFICERS

- HON. JOHN JAMES, B.Com. (Lond.), M.A., Ph.D. (Paris), D.Sc. (Liverpool),  
 D.C.L. (Bishop's), LL.D. (Queen's), Toronto, London, New York, etc.,  
 D. de l'U (Montreal), F.R.S.C., Chevalier de la Légion d'Honneur.  
 JOHN J. O'NEILL, Ph.D. (Yale), M.Sc., F.G.S.A., F.R.S.C., Vice-Chancellor.  
 GUYMAN DUFF, B.Sc., M.A., M.D. (Tor.), F.R.S.C., Dean of the Faculty.  
 GEORGE FLEMING, B.A., M.D., C.M., D.P.H. (Tor.), Secretary of the Faculty.  
 S. H. DORRILL, B.Sc., Comptroller and Executive Assistant to the President.  
 WILLIAM BRYLEY, C.C.A., A.C.I.S., F.C.M.I., Registrar.  
 T. H. MATTHEWS, M.A. (Oxon), Librarian.  
 RICHARD PENNINGTON, B.A. (Birmingham), Lib. Dip. (Lond.), University Librarian.  
 R. J. STEELE, M.A. (Ohio State), Ph.D. (Yale), Honorary Medical Librarian.  
 W. W. FRANCIS, A.B., M.D. (Johns Hopkins), Officer Librarian and Director of the Museum of the History of Medicine.  
 Miss C. D. MURPHY, Assistant Secretary of the Faculty.

Special announcements are available for the Schools of Physiotherapy,  
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## FACULTY OF MEDICINE

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The one hundred and seventeenth session of the Faculty will open on September 7th, 1949, for students of the first year.

### REQUIREMENTS FOR ENTRANCE

1. (a) *Total Academic Credits:*

The minimum requirement for admission to the medical course is the satisfactory completion of three full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof). This minimum requirement may be regarded as equivalent to a total of 90 semester hours.

(b) *Scientific Requirements:*

In the scientific branches, certain subjects are specifically required: *Chemistry*, two full courses, including General Chemistry and Organic Chemistry, with laboratory work.

*Physics*, one year with laboratory work.

*Biology*, or *Zoology*, one year with laboratory work. (Of this, a half year must consist of Zoology.)

(c) *Cultural Requirements:*

These must be selected in such a way as to be in harmony with the requirements for the degree of B.A. or B.Sc. at the college where the courses are taken. These would commonly include credits in English Literature and in Composition, Mathematics, and at least one modern language. It is advisable for each applicant to present evidence of such preparation.

(d) All candidates for admission to the Medical Faculty are required to take the Medical College Admission Test conducted by the Graduate Record Office, or furnish a satisfactory explanation of reasons why they are unable to do so.

2. In selecting courses, in addition to the specific requirements listed above, the intending medical student should plan his pre-medical course as a whole, and in accordance with a definite educational objective. Emphasis should be laid on the broad educational value and the intellectual training afforded, rather than on the factual content of such pre-medical curricula; the student is therefore advised to plan his course in such a way as to provide more than elementary training in some definite field of learning which appeals to him; this major field may be selected from the Natural or the Social Sciences or the Humanities. Certain



subjects which though not essential have been found valuable in medical study, and which may be included as electives if the curriculum in the major field permits, are Psychology, Sociology, and Genetics.

In general, students are advised not to anticipate medical school courses in Physiology, Histology, Bacteriology, and Biochemistry at the expense of a fundamental training as outlined above.

On the other hand, for students who desire a preparation in excess of the minimum requirements, a considerable degree of specialization in the sciences, such as Honours graduation, or a Master's degree, in Physics, Chemistry, Biochemistry, Biology, Physiology, or Bacteriology, may prove to be desirable and advantageous.

The students' attention is called to the memorandum printed in the Announcement of the Faculty of Arts and Science, for the guidance of pre-medical students.

Candidates for admission shall furnish evidence that they have satisfied the matriculation requirements of the Licensing Body where they wish to practise. This provision applies to Canadian candidates only.

### EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

The equivalent courses of study in schools accepted by this University shall be determined from time to time. Acceptance of a course of study as equivalent may not include the examination in that subject held by the accepted school, but the student may be required to pass such examinations, individual or comprehensive, as may be required by the Faculty.

### APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than January 1st. Each application must be accompanied by a non-returnable fee of \$5.00 in the form of a cheque or money order payable to McGill University.



## REGISTRATION, FEES

A fee of \$50.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Secretary of the Faculty, when possible, is advisable.

### REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office on Friday, September 2nd or Tuesday, September 6th, 1949. Those who register after the latter date will be required to pay a late registration fee of \$5.00 if they register during the first week of the session and \$10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

### FEES

*The University reserves the right to make changes without notice in its published schedule of tuition, board and residence, and other fees.*

### UNIVERSITY FEES

#### 1. REGULAR STUDENTS

Annual fee. . . . . \$450.00  
By instalments: each of two instalments. . . . . 227.50

#### 2. REPEATING A YEAR

Students repeating a year pay. . . . . 450.00

#### 3. PARTIAL STUDENTS

Qualified students may be admitted as partials to one or more courses on payment of special fees.

#### 4. AD EUNDEM FEE

Students entering any year above the first, pay a special *ad eundem* fee of. . . . . \$10.00



5. DIPLOMA OF PUBLIC HEALTH FEES

The fee for the graduate course in Public Health, including laboratory and outdoor work, as well as student Health Service fee, is \$250.00, of which \$25.00 is to be deposited on acceptance of application.

6. DIPLOMA OF TROPICAL MEDICINE AND HYGIENE FEES

The fee for the course leading to this diploma is \$50.00 if preceded by the D.P.H. course at McGill University or \$100.00 for those already holding the D.P.H., taken elsewhere. For all others the fee is \$250.00.

STUDENTS' SOCIETY FEES

FEES FOR THE SUPPORT OF STUDENT ORGANIZATIONS

Regular students (men).....	\$15.00
Regular students (women).....	15.00
Partial students taking less than three courses.....	5 00
By instalments: half with each instalment.	

DATES OF PAYMENT

Fees are due and payable at the Chief Accountant's Office between the hours of 9 a.m. and 4 p.m. on the following dates:

Tuesday, September 6th, to Thursday, September 8th, inclusive, or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on February 1st. An additional \$2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration, failing which they become subject to the provisions of the above paragraph.

Immediately after the prescribed dates for the payment of fees the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Dean will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

All fees are payable in Canadian currency.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories: 2/3, 1/6, and



1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine. Suitable microscopes may be secured through local dealers.

#### BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement (pages 305—310).

#### HEALTH SERVICE

For details of the Health Service and Medical Examinations see the General Information Pamphlet included in this Announcement (page 311).

#### COURSES FOR THE DEGREE OF M.D., C.M.

The minimum period of professional training required by the University as a qualification for the independent practice of Medicine shall be five years, including

- a. four years of medical study in the University leading to the degree of M.D., C.M.; and
- b. one year of internship in an approved hospital,

or

one year of further medical study in the Faculty of Medicine of McGill University or at another medical school approved by it.

While the Faculty Administration exercises a general supervision of arrangements for internships, the Faculty of Medicine assumes no responsibility to provide an internship for any student.

A certificate that his medical education is completed and that he is eligible to sit for the examination of a licensing board shall not be issued to any graduate until the University is in possession of satisfactory evidence that he has completed the full requirements.

There are three sessions of thirty-six weeks each and one session (final session) of thirty-two weeks, all exclusive of examination periods. The sessions usually begin the first Tuesday after the first Monday in September (Labour Day) and continue until the first week of June in the first three years and to the first week in May in the final year.

The academic session is divided into four terms in the first and fourth session and into three terms in the second and third sessions. The minimal



period of study for the degree of M.D., C.M., is, therefore, four sessions of study comprising one hundred and forty weeks exclusive of examination periods.

The arrangement of the principal subjects of instruction is usually as follows:

#### FIRST SESSION

Anatomy (including Histology and Embryology), Physiology, Biochemistry, Psychobiology and Medical Sociology, Introduction to Medicine.

#### SECOND SESSION

Pharmacology, General Pathology, Bacteriology and Immunology, Parasitology, Laboratory Diagnosis, Medicine, Surgery, Pædiatrics, Obstetrics, Health and Social Medicine, Psychiatry.

#### THIRD SESSION

Special Pathology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynæcology, Pædiatrics, Psychiatry, Therapeutics, Ophthalmology, Oto-laryngology, Medical Jurisprudence, Radiology, Anæsthesia.

#### FOURTH SESSION

Medicine\*, Surgery\*, Obstetrics and Gynæcology, Psychiatry, Pædiatrics, Ophthalmology, Otolaryngology, Radiology, Neurology and Neuro-Surgery.

\*In these subjects are included the following:

*Medicine*—Dermatology, Clinical Therapeutics.

*Surgery*—Orthopædics, Urological Surgery, Anæsthesia.

#### EXAMINATIONS

The examinations taken within the Medical Faculty are divided into two groups, namely major examinations and minor examinations. Major examinations are the final examinations in Anatomy (Embryology), Histology, Physiology, Biochemistry, Pharmacology, Bacteriology and Immunology, Pathology, Health and Social Medicine, Pædiatrics, Medicine, Surgery, Obstetrics and Gynæcology, Psychiatry.

Minor examinations include the final examinations in Parasitology, Neuro-anatomy, Laboratory Diagnosis, Medical Jurisprudence, Therapeutics, Ophthalmology, Otolaryngology, Radiology, and examinations preliminary to the final major examinations.



A student who fails in any major examination will be required before he sits a supplemental examination to present to the Dean's office from the senior professor of the Department concerned a certificate that the student has taken sufficient extra tuition as would indicate that he has reviewed the subject and is a suitable candidate for the supplemental examination.

There is a strict difference between the importance of a major and a minor examination. If a student fails in the supplemental of a major examination, there are definite restrictions as hereinafter set forth, while failure in the supplemental of a minor examination permits the student to carry conditions as are hereinafter laid down.

A student who fails in the supplemental of one (or two) minor examination may proceed with other subjects in the following year, carrying such subject as a condition, but may not sit any subsequent major examinations until such conditions have been removed, nor may more than two conditions be carried at one time.

All conditions must be removed by the end of the first term (November) in each session when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year and to repeat the courses of the Winter and Spring terms.

A student who fails in the supplementals of three or more minor examinations in any one session must repeat this session or may be asked to retire, as may be decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A failure in the supplemental of a major examination will require the student to repeat the course (repeat the year), and no student may repeat such a course more than once. Any student who fails in the supplementals of two major examinations in any one year shall be required to retire without the privilege of further supplementals.

A student is not allowed supplementals in three major examinations in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student is not allowed supplementals in two major and one minor examination in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A student in the final year may take a supplemental examination in one subject only at the end of the following September, but must present a certificate from the senior professor of the Department concerned that



he has taken at least three months' extra tuition in this subject in one of the teaching hospitals of the McGill Faculty of Medicine. If he should fail in this supplemental examination, he must repeat the year of study and pass all the major examinations at the completion of the session.

A student in the final year who fails in two subjects will not be permitted supplementals but must repeat the year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student will not be allowed to repeat a year more than once nor may he repeat a subsequent year if such repetition has been due to failure in examinations, except on special recommendation of the Promotion Committee, acting upon the motion of the representatives on the committee of the Department concerned.

A student who has been permitted to repeat his year shall be required to make a C+ grade, which for this purpose is considered to be 65%, or he will not be permitted to continue his course.

A schedule of the times of major and minor examinations shall be published as a supplement to these ordinances at the beginning of each academic session.

Examinations, tests, reviews, etc., may be held during the session by any Department in its time of instruction, provided that no more than twenty-four (24) hours' notice is given. It is understood that such examinations, tests or reviews are conducted for the benefit of the student in order that he may have experience in the requirements of the sessional examinations, and further, that he and his teachers may know he is progressing in his studies.

There shall be two Promotion Committees. The First Committee shall consist of representatives of the subjects of Anatomy, Biochemistry, Histology, Physiology, Pharmacology, Bacteriology, Parasitology, Pathology, and Endocrinology, appointed by the Dean, and the Dean and the Secretary *ex officio*. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the first and second years. The second Committee shall consist of representatives of the Departments of Pathology, Bacteriology, Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynaecology and Pædiatrics, appointed by the Dean, and the Dean and the Secretary *ex officio*. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the third and fourth years.

All results of examinations will be given out by the Dean's office, after they have been passed upon by the Promotion Committee. It is an absolute rule that no examination results shall be communicated by any other channel.



The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent.

#### GRADING

At the conclusion of each course, students are graded in five groups as follows:

- A = Excellent
- B = Good
- C = Fair
- D = Doubtful
- E = Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

The grade assigned to a student is based upon the results of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

#### FELLOWSHIPS—SCHOLARSHIPS

Details of fellowships, scholarships, bursaries, medals, and prizes open to undergraduate and graduate students in Medicine, and of the University Loan Fund may be found in the Scholarships Announcement.

#### REQUIREMENTS FOR THE DEGREE OF M.D., C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.
2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than eight months each in this University or in some other university, college or school of Medicine, approved by this University. (See page 1611.)
3. No one is permitted to become a candidate for the degree who has not attended at least one full session at this University.
4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.



5. He must have attended during at least three sessions of nine terms the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University; and must have acted as clinical clerk for six months in Medicine and six months in Surgery and have fully reported upon at least ten medical and ten surgical cases.
6. He must also have attended during two terms the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.
7. Every candidate must also have administered anaesthetics, under direction, at least six times, and have assisted at not less than six autopsies.

### REQUIREMENTS FOR LICENCE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before *beginning* the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained.

N.B.—In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:

- QUEBEC—Dr. J. Paquin, 1896 Dorchester St. West, Montreal.
- ONTARIO—Dr. Robert T. Noble, 566 University Ave., Toronto, Ont.
- NEW BRUNSWICK—Dr. J. M. Barry, 182 Princess St., Saint John, N.B.
- NOVA SCOTIA—Dr. H. L. Scammell, 196 Atlantic St., Halifax, N.S.
- PRINCE EDWARD ISLAND—Dr. I. J. Yeo, Charlottetown, P.E.I.
- MANITOBA—Dr. M. T. McFarland, 605 Medical Arts Building, Winnipeg, Man.
- ALBERTA—Dr. W. Bramley Moore, 207 Alexandra Block, Edmonton, Alta.
- SASKATCHEWAN—Dr. G. Gordon Ferguson, 415 Birks Bldg., Saskatoon, Sask.



## PROFESSIONAL REGISTRATION

BRITISH COLUMBIA—Dr. A. J. MacLachlan, 203 Medical-Dental Building, Vancouver, B.C.

NEWFOUNDLAND—Dr. C. Macpherson, P.O. Box 5121, St. John's, Nfld.

### DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, Dr. J. Fenton Argue, 180 Metcalfe Street, Ottawa, Ontario.

### GENERAL COUNCIL OF MEDICAL EDUCATION

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance at lectures, practical work, and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.



## COURSES OF INSTRUCTION

### DEPARTMENT OF ANAESTHESIA

*Professor* WESLEY BOURNE, *Chairman*

*Assistant Professors* H. R. GRIFFITH  
C. C. STEWART  
F. A. H. WILKINSON

*Lecturers* R. S. FERGUSON  
C. R. STEPHEN  
W. C. STOCKWELL

*Demonstrators* W. G. CULLEN  
R. G. B. GILBERT  
J. J. KELLY  
P. E. O'SHAUGHNESSY  
A. F. PASQUET  
A. M. TORRIE

#### UNDERGRADUATE COURSES

Students in Medicine, before their fourth year will have been introduced to the subject of Anæsthesia by the teachers in Anatomy, Biochemistry, Pathology, Pharmacology, and Physiology.

During the fourth year, eleven lectures are given, each with sound moving pictures. All of these deal chiefly with the clinical aspect. Reading matter is prescribed.

During the fourth year, also, each undergraduate student spends several days with an anæsthetist and acts as his assistant for which he is certified.

### DEPARTMENT OF ANATOMY

*Robert Reford Professor* C. P. MARTIN, *Chairman*

*Professor* C. P. LEBLOND

*Assistant Professors* D. S. FORSTER  
S. M. FRIEDMAN

*Lecturers* J. GROSS  
E. W. WORKMAN

*Teaching Fellow* CATHERINE E. STEVENS



## COURSES IN ANATOMY

### REQUIRED COURSES

#### 1. GROSS ANATOMY

Five hours lectures and fifteen hours laboratory work per week during the Autumn, Winter and Spring terms of the first medical year.

#### 2. NEURO-ANATOMY

Four hours lecture and laboratory per week during the first term of the second year. Conducted with the co-operation of Dr. Francis McNaughton. This course is listed under the Department of Neurology and Neurosurgery as 2A Neuroanatomy.

#### 3. APPLIED ANATOMY

One hour per week lecture and demonstration during the Winter and Spring terms of the third medical year.

*Textbooks:* Gray's "Anatomy" (English edition) or Cunningham's "Text-Book of Anatomy."

*Practical Manuals:* Buchanan's "Manual of Anatomy"; Johnston's "Synopsis of Regional Anatomy."

*Optional Texts:* Quain, Piersal, Spalteholz Atlas, Fraser's "Anatomy of the Human Skeleton", Fraser and Robbins, Larsell, Ramson.

### ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

#### 4. ADVANCED NEURO-ANATOMY

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton. The class is limited to ten. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

#### 5. PHYSICAL ANTHROPOLOGY

Lectures and practical courses will be arranged for students when required.

### MICROSCOPIC ANATOMY

### REQUIRED COURSE

#### 6. HISTOLOGY

The study of the histological structure of the body. Two hours lectures and six hours laboratory work per week during the first 28 weeks of the first medical year.

*Textbook:* Bailey, "Text-Book of Histology" or Maximow and Bloom.

*Optional Texts:* Cowdry, Lewis and Bremer, Jordan.



ELECTIVE COURSE

7. EXPERIMENTAL MORPHOLOGY

This course is divided into two parts:

(a) A seminar on theoretical problems of histology and histo-chemistry. One hour weekly.

(b) A practical course on the planning of biological experiments, operative procedures on laboratory animals, histological technique, histo-chemical reactions, radioactive elements (detection by radio-autographs and Geiger counter), photographic methods, etc. One hour lecture and laboratory each week.

EMBRYOLOGY

REQUIRED COURSE

8. THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY

One hour per week lecture and three hours per week laboratory work during second half of the first medical year.

*Textbook:* Arey, "Developmental Anatomy."

*Optional Texts:* Jordan, Simkins, Bailey and Millar, Keith, Fraser.

DEPARTMENT OF BACTERIOLOGY AND IMMUNOLOGY

*Professors*

E. G. D. MURRAY, *Chairman*

FREDERICK SMITH

*Associate Professor*

J. W. STEVENSON

*Assistant Professors*

D. S. FLEMING

G. G. KALZ

C. D. KELLY

*Lecturers*

J. DE VRIES

A. LEDUC

A. M. MASSON

F. H. PRISICK

*Demonstrator (Teaching Fellow)*

M. J. KAHNKE

*Research Fellow*

CATHERINE MACPHERSON

All lectures and laboratory courses are given in the Department of Bacteriology, Pathological Institute.



## COURSES IN BACTERIOLOGY AND IMMUNOLOGY

1. ELEMENTARY MEDICAL BACTERIOLOGY AND IMMUNOLOGY  
30 lectures and 63 hours practical work commencing September, first medical term, 2nd year.  
Available to Medical students on the satisfactory completion of their studies in Anatomy, Physiology, Histology, and Biochemistry.
2. APPLIED MEDICAL BACTERIOLOGY AND IMMUNOLOGY AND THE PROCESSES OF INFECTIOUS DISEASES  
20 lectures and 40 hours of demonstrations commencing November 15th, 2nd medical term 2nd year.
3. BACTERIOLOGY AND IMMUNOLOGY FOR HONOURS B.SC. DEGREE  
The class is limited in size and priority is given to Honours students in their fourth year. Students in the Faculty of Graduate Studies are admitted only if they have suitable qualifications and if there are vacancies.  
77 lectures and 308 hours practical work with 50 hours discussion periods through the year (3 full courses). Biochemistry 5 (lectures only) is compulsory. One other course is to be selected by the students.
6. BACTERIOLOGY AND IMMUNOLOGY FOR THE M.SC. DEGREE
8. APPLIED BACTERIOLOGY FOR GRADUATE NURSES (CERTIFICATE COURSE)  
22 lectures and 19 hours practical work. Available only to students in the School of Graduate Nurses commencing October to December in the first term.
9. PUBLIC HEALTH BACTERIOLOGY AND IMMUNOLOGY  
Available to postgraduate students for the diploma or Master's degree in Public Health. Given in association with the Department of Health and Social Medicine.
10. SEMINARS ON APPLIED BACTERIOLOGY IN RELATION TO PARTICULAR NURSING PROBLEMS (DEGREE COURSE)  
14 periods of 2 hours commencing January for 14 weeks in the second term. Available only to nurses taking the Degree Course and on the successful completion of Course 8. Limited to 20 students.  
*Textbooks:* Zinsser, Textbook of Bacteriology, edited by Smith and Martin (Appleton-Century-Crofts); T. J. Mackie and J. E. McCartney, Practical Bacteriology (Livingstone); Topley & Wilson, Principles of Bacteriology, revised by Wilson & Miles (Edward Arnold); E. O. Jordan and W. Burrows, Text-Book of Bacteriology (Saunders); H. Zinsser, J. F. Enders, L. D. Fothergill, Immunity Principles and Application in Medicine and Public Health (Macmillan); R. W. Fairbrother, A Text-Book of Medical Bacteriology (W. Heinemann); T. M. Rivers, Viral and



Rickettsial Infections of Man (Lippincott); R. J. Dubos, Bacterial and Mycotic Infections of Man (Lippincott); F. M. Burnet, Virus as Organism (Harvard University Press).

## DEPARTMENT OF BIOCHEMISTRY

<i>Professors</i>	D. L. THOMSON, <i>Chairman</i> J. H. QUASTEL
<i>Associate Professors</i>	O. F. DENSTEDT R. D. H. HEARD
<i>Assistant Professor</i>	K. A. C. ELLIOTT
<i>Sessional Lecturer</i>	JUDITH SAFFRAN

### FIRST YEAR

BIOCHEMISTRY 1. Mon., Wed., Fri., at 9 a.m. (beginning in October).

1L. *Laboratory*: Six hours a week October to February

*Professors Thomson and Heard*

*Textbooks*: Bodansky, "Introduction to Physiological Chemistry" (Wiley); Cameron, "Text-book of Biochemistry" (Macmillan); Williams, "Text-book of Biochemistry" (van Nostrand); Schmidt and Allen, "Fundamentals of Biochemistry" (McGraw-Hill); Mitchell, "Text-book of Biochemistry" (McGraw-Hill).

This course consists of the courses numbered 31, 32 (Endocrinology) and 33 (Nutrition) listed in the Announcement of the Faculty of Arts and Science, which also lists more advanced courses offered by the Department.

## DEPARTMENT OF HEALTH AND SOCIAL MEDICINE

<i>Strathcona Professor</i>	R. P. VIVIAN, <i>Chairman</i>
<i>Assistant Professor</i>	C. W. MACMILLAN
<i>Lecturers</i>	E. A. BLUMENFELD H. E. BURKE W. H. CRUICKSHANK I. M. RABINOWITCH GRAHAM ROSS BARUCH SILVERMAN MARIAN WALL

The instruction is designed to present to the undergraduate the social factors of particular importance in the practice of Medicine, stressing the role of Preventive Medicine and Public Health.



In the second year the subject matter covered includes Vital Statistics; principles of Communicable Disease Control, Sanitation, Environmental Hygiene; and the organization and activities of the Public Health Service, with a consideration of the problem of the non-communicable diseases. This is timed to coincide with complementary material presented by other Departments.

Field trips are undertaken to observe the control of water, milk, and food supplies. Demonstrations are given of the work of the Quebec Division of Industrial Hygiene. Exercise periods are held to provide a working knowledge of statistical procedure in Medical Statistics.

An examination (minor) is held at the end of the second year.

In the third year lectures are given to the class as a whole on Population influences and trends; the W.H.O.; the problem of medical care; public welfare, voluntary agencies, and the medical social worker; social security, health insurance, and medical economics.

Throughout the year concentrated courses of six weeks each with four half-day periods each week are conducted for a sixth of the class on a rotation basis.

Each of these courses covers the organization and administration of the Western Health District of the City of Montreal; the epidemiology and control measures for the more common communicable diseases including Tuberculosis and Venereal Disease; the work of the Provincial Public Health Laboratory is demonstrated, and the preparation of sera, vaccines, and toxoids observed; practice is obtained in the common immunological procedures; and community activities in Maternal and Child Hygiene, Industrial Medicine, Nutritional Education, Mental Hygiene, and Health Education are illustrated by the facilities in the community.

A final examination is held at the end of the third year.

#### TOXICOLOGY AND MEDICAL JURISPRUDENCE

A. TOXICOLOGY i. A series of 8 lectures on acute poisoning—(a) occurrence (b) modes of action of poisons and modifying factors (c) diagnosis and treatment of acute poisoning and (d) medico-legal considerations.

ii. A series of 4 lectures on industrial toxicology—(a) dusts, fumes, smokes, mists, fogs and vapours (b) metal fume fever (c) arsenic, lead and mercury (d) carbon monoxide (e) organic compounds—aliphatic and aromatic hydrocarbons—halogenated, nitro and amino derivatives (f) organic solvents (g) factors influencing selection of employees (h) early diagnosis of industrial poisoning.



**B. JURISPRUDENCE:** A series of 12 lectures on (a) legal status of physicians (b) obligation of doctor to state (c) professional secrecy—privileged communications (d) responsibility to patient—implied and expressed contracts (e) physical examinations, surgical operations and consent (f) malpractice—civil, criminal (g) legal procedures—coroner's court, other courts, medical witness (h) medico-legal aspects of death (i) personal identity in its medico-legal bearing (j) blood stains (k) wounds (l) pregnancy (m) abortion (n) infanticide (o) impotency and sterility (p) rape (q) medico-legal aspects of alcoholic intoxication (r) insanity.

*Text and Reference Books:* i. General: Buchanan, Text Book of Forensic Medicine and Toxicology; Glaister, Medical Jurisprudence and Toxicology; Kerr, Forensic Medicine; Littlejohn, Forensic Medicine; Gonzales, Vance and Helpner, Legal Medicine and Toxicology; McNally, Toxicology; Sydney Smith, Forensic Medicine; Sydney Smith and Glaister, Recent Advances in Forensic Medicine; Taylor, Principles and Practice of Medical Jurisprudence.

ii. Industrial Toxicology: Wampler, Principles and Practice of Industrial Medicine; Gafarer, Manual of Industrial Hygiene; Henderson and Haggard, Noxious Gases; Jacobs, Toxicity of Industrial Organic Solvents—Report No. 80, Medical Research Council, Industrial Health Research Board, G.B.; Hunter, Industrial Toxicology.

## DEPARTMENT OF MEDICINE

### Professors

J. S. L. BROWNE, *Chairman*

G. R. BROW

E. S. MILLS

### Associate Professors

C. C. BIRCHARD

E. H. MASON

K. A. EVELYN

I. M. RABINOWITCH

KEITH GORDON

W. DE M. SCRIVER

JOSEPH KAUFMANN

### Assistant Professors

G. A. COPPING

H. S. MITCHELL

NEIL FEENEY

J. H. PALMER

W. H. P. HILL

BRAM ROSE

MARTIN HOFFMAN

V. SCHENKER

J. G. HOWLETT

F. MACI. SMITH

D. S. LEWIS

C. J. TIDMARSH

LOUIS LOWENSTEIN

S. R. TOWNSEND

J. F. MCINTOSH

ELEANOR VENNING



## COURSES IN MEDICINE

### Lecturers

J. L. ADAMS	W. G. McLELLAN
M. ARONOVITCH	J. F. MEAKINS
C. S. BARKER	D. L. MENDEL
R. C. BENNETTS	S. ORTENBERG
E. H. BENSLEY	C. J. PATTEE
J. O. W. BRABANDER	H. N. SEGALL
H. E. BURKE	A. T. THOM
R. A. CLEGHORN	R. V. WARD
A. H. FOWLER	PAUL WEIL
G. W. HALPENNY	G. E. WIGHT
W. R. KENNEDY	H. P. WRIGHT

### Demonstrators

DAVID BARZA	R. P. HOWARD
F. M. BOURNE	LOUIS JOHNSON
PARKER CHESNEY	A. W. LAPIN
WM. COHEN	A. C. LONG
H. I. CRAMER	H. E. MACDERMOT
BASIL CUDDIHY	R. D. McKENNA
W. W. EAKIN	MYRON NOTKIN
RAY FORSEY	GEORGE SHIMO
ALEX GORDON	C. B. SMITH
R. G. M. HARBERT	

### Research Fellow

HECTOR MORTIMER

### Research Associates

LOUIS JOHNSON  
K. R. MACKENZIE

## CLINICAL THERAPEUTICS

### Assistant Professor

C. W. FULLERTON

### Lecturers

GUY FISK  
W. DE M. SCRIVER

## DERMATOLOGY

### Clinical Professors

J. F. BURGESS  
L. P. ERAUX

### Lecturers

F. KALZ  
D. S. MITCHELL  
B. D. USHER



## THE CURRICULUM IN THE DEPARTMENT OF MEDICINE

### FOREWORD

The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease, to afford a knowledge of the technique, and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students, teachers and patients throughout the final years is of prime importance.

The close correlation of physiology, anatomy, and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

The University lectures and clinical lectures are open to students of all years. The final examinations may cover any portion of the realm of internal medicine and its various branches of which the examiners may deem it proper that a graduating student should be cognizant.

### REQUIRED COURSES

#### SECOND YEAR

##### COURSE II 1—INTEGRATION OF PHYSIOLOGY, BIOCHEMISTRY, AND ANATOMY WITH MEDICINE

Time—Last term of second year—two lectures a week and one amphitheatre clinic.

Place—Medical Building. Montreal Neurological Institute Theatre.

Subject Material—This course covers in a systematic manner the deviations from the normal of the physiological and biochemical functions. These are correlated so as to explain symptoms and signs which may be found on physical examination as detected by clinical methods dealt with in Course II 2. This course follows a chronological order from birth to old age and is so interpreted as to give the student a panoramic view of these disturbances with a proper perspective.

*Professor Browne*



## COURSES IN MEDICINE

### COURSE II 2—A PRACTICAL COURSE IN CLINICAL METHODS

Time—Last term of second year.

Place—Outpatient Departments of the Royal Victoria and the Montreal General Hospitals.

Subject—Practical instruction 4 hours a week on Normal and Abnormal Physical Signs and one amphitheatre clinic.

### COURSE II 3—LABORATORY DIAGNOSIS

Time—Last term of second year.

Place—Medical Building.

Subject—Instruction and practice 2 periods a week in microscopy as applied to clinical medicine.

*Professor McIntosh and Assistants*

## THIRD YEAR

### COURSE III 4—AMPHITHEATRE CLINICS IN GENERAL MEDICINE

Time—Once weekly throughout year.

Place—Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating certain disease processes.

### COURSE III 5—BEDSIDE CLINICS AND PRACTICAL DEMONSTRATIONS

Time—Twice weekly during the medical trimester.

Place—Wards of the Royal Victoria and the Montreal General Hospitals.

### COURSE III 6—CLINICO-PATHOLOGICAL CONFERENCE

Time—Weekly during the medical trimester.

Place—The Royal Victoria and the Montreal General Hospitals.

### COURSE III 7—CASE REPORTING

During the trimester in Medicine students will be assigned patients in the wards. They will be required to write case histories, make a general examination, note progress, and do such laboratory investigations as are within their scope and have access to all other Laboratory and X-Ray findings.

### COURSE III 8—A PRACTICAL COURSE IN DISEASES OF METABOLISM

Time—Weekly during the medical trimester.

Place—Royal Victoria and the Montreal General Hospitals.

Subject—This course consists of weekly Ward Rounds in the two Hospitals.

In addition to the above courses General Ward Rounds are held once a week at each Hospital for students reporting Medicine.



FOURTH YEAR

COURSE IV 9—AMPHITHEATRE CLINICS IN GENERAL MEDICINE

Time—Once a week throughout year.

Place—Alternately at the Royal Victoria and the Montreal General Hospitals.

Subject—Demonstration and discussion of cases illustrating more complicated cases as compared to the third year.

COURSE IV 10—BEDSIDE CLINICS AND PRACTICAL DEMONSTRATION

Time—Twice weekly during medical quarter.

Place—Wards of the Royal Victoria and the Montreal General Hospitals.

DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

*Professor of Neurology and Neurosurgery* WILDER PENFIELD, *Chairman*

*Associate Professor of Neurosurgery* WILLIAM CONE

*Associate Professor of Neurology* DONALD MCEACHERN

*Research Fellow*

(*Faculty of Graduate Studies and Research*) BORIS BABKIN

*Assistant Professors of Neurology* FRANCIS MCNAUGHTON

ARTHUR W. YOUNG

*Assistant Professor of Neurosurgery* ARTHUR ELVIDGE

*Assistant Professor of Neurological Radiology* DONALD MCRÆ

*Assistant Professors of Experimental Neurology* K. A. C. ELLIOTT

HERBERT JASPER

ROY L. SWANK

*Lecturers in Neurology* JOHN KERSHMAN

J. PRESTON ROBB

*Lecturers in Neurosurgery* HAROLD W. ELLIOTT

W. KEASLEY WELCH

*Lecturer in Neuroanatomy* JERZY OLSZEWSKI

*Demonstrators in Neurology* C. MILLER FISHER

D. LLOYD-SMITH

G. M. SHY

*Demonstrators in Neurosurgery* MAITLAND BALDWIN

FRANCIS H. O'BRIEN

*Demonstrators in Neuropathology* IGOR KLATZO

ROBERT A. SEARS



## COURSES IN NEUROLOGY AND NEUROSURGERY

### *Fellows of the Montreal Neurological Institute*

ALEC. S. BARNUM	ERIC PETERSON
A. V. BIRD	BERNARD PERTUISET
SAMUEL BRENDLER	R. RABINOVITCH
WUKKUAN H. FEINDEL	VICTOR REYES
H. F. FLANIGIN	GILBERT RINFRET
W. F. GERBER	H. LAMAR ROBERTS
*R. G. GINDE	HAROLD ROSEN
JOHN HUNTER	T. J. SPEAKMAN
R. C. LEWIS	J. STOLL
C. L. LI	J. G. STRATFORD
BIRGER KAADA	D. B. TOWER
OTTO MAGNUS	J. M. VAN BUREN
SEAN MURPHY	

### \*Indian Government Fellowship

### OUTLINE OF COURSES

#### SECOND YEAR

- 2A (ANATOMY 2) NEUROANATOMY. Lectures and Laboratory. Department of Anatomy. *Professor McNaughton and Dr. Fisher*
- 2B NEUROLOGICAL ASPECTS OF PHYSIOPATHOLOGY. 3 lectures. Department of Medicine. *Professors McNaughton and Jasper*
- 2C PHYSICAL EXAMINATION OF THE NERVOUS SYSTEM. 2 theatre clinics. Department of Medicine (1 at M.G.H., 1 at R.V.H.). *Dr. Robb*

#### THIRD YEAR

- 3A SURVEY OF NEUROLOGY AND NEUROSURGERY. 24 lectures. Saturdays, 8:45-9:40. M.N.I. Amphitheatre. *Professors Penfield and McNaughton*

#### FOURTH YEAR

- 4A NEUROLOGICAL AND NEUROSURGICAL CLINICS. 20 theatre clinics. Saturdays, 10:00-11:00. M.N.I. Amphitheatre. *Professors Cone and McEachern*
- 4B-1 NEUROLOGICAL O.P.D. R.V.H. Outpatient Department. Monday and Thursday\*, 2:00-3:00. *Professor McEachern and Assistants*
- 4C-1 NEUROLOGY WARD CLASSES. Department of Medicine. Wednesdays, 8:45-9:45 (R.V.H. group). *Professor Young*

\*Two Thursdays per month only.



## MEDICINE

4B-2 COMBINED NEUROLOGICAL O.P.D. AND WARD CLASSES. M.G.H. Mondays & Fridays, 2:00-3:00 (M.G.H. group).

4C-2 *Professor McNaughton and Assistants*

4D-1 NEUROSURGERY WARD CLASSES. Department of Surgery. M.N.I. (R.V.H. group). Mondays, 1:00-2:00.

*Professor Cone and Assistants*

4D-2 NEUROSURGERY WARD CLASSES. Department of Surgery. M.N.I. (M.G.H. group). Thursdays, 1:00-2:00.

*Professor Elvidge and Assistants*

4E-1 NEUROLOGY SEMINAR. R.V.H. Outpatient Department. Tuesdays, 3:45-4:45.

*Professor McNaughton and Dr. Robb*

4E-2 NEUROLOGY SEMINAR. M.G.H. Outpatient Department. Fridays, 3:00-4:00.

*Professor McNaughton and Dr. Robb*

## ELECTIVE COURSES

A. SEMINAR IN NEUROANATOMY. M.N.I. 4 hours weekly (12 weeks).

1. Lectures, demonstrations, and discussions.

2. Construction of brain model by selected group.

Two evenings, beginning in November.

*Professor McNaughton*

B. SEMINAR IN NEUROPHYSIOLOGY. M.N.I. 3 hours weekly (12 weeks).

Laboratory demonstrations, lectures, and discussions. Mondays, 5-6 and 8-10, beginning in November.

*Professor Jasper and Dr. Babkin*

C. COLLOQUIUM IN CLINICAL NEUROLOGY. 1 hour weekly. Clinics and lectures. Wednesdays, 5 p.m., M.N.I.

*Professor McNaughton*

D. COLLOQUIUM IN NEUROSURGERY AND ELECTROENCEPHALOGRAPHY. M.N.I. 1 hour weekly. Fridays, 4 p.m. (10 months).

*Professors Penfield and Jasper*

## DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

*Professor*

N. W. PHILPOTT, *Chairman*

*Associate Professor*

A. D. CAMPBELL

*Assistant Professors*

W. A. G. BAULD

J. S. HENRY

P. J. KEARNS

G. C. MELHADO

G. A. SIMPSON



## COURSES IN OBSTETRICS AND GYNAECOLOGY

### *Lecturers*

J. E. AYRE  
W. R. FOOTE  
K. T. MACFARLANE  
G. B. MAUGHAN  
I. Y. PATRICK  
ELEANOR PERCIVAL  
D. W. SPARLING  
GEORGE STREAN  
CLIFFORD WARD

### *Demonstrators*

GRACE DONNELLY  
SIMON GOLD  
M. HENDELMAN  
J. P. A. LATOUR  
H. T. LYON  
J. L. MACARTHUR  
THOMAS PRIMROSE

The entire course is arranged on the basis of imparting a practical knowledge of Obstetrics, Gynæcology, and the Care of the New-born. The value of intimate contact with the patient in the normal and the pathological state is stressed.

The privilege of serving as an interne in the hospital for two weeks treating the patients from the time of admission till discharge from hospital is an ideal arrangement. Rooms are provided in the Women's Pavilion where the students may reside, in groups of six, during this period.

## REQUIRED COURSES

### SECOND YEAR—

Sixteen lectures are given as an introduction to the subject. These lectures are relative to the anatomy and physiology of the genital tract. The physiology of pregnancy is also described.

*Professor Philpott*

### THIRD YEAR—

#### OBSTETRICS

1. Twenty-eight lectures to teach the fundamentals of pregnancy, labour and the puerperium.

*Senior members of the Staff*

2. Eighteen demonstrations of obstetrical palpation and manikin instruction to illustrate the diagnosis and management of normal and abnormal presentations.

*Professor Simpson and Assistants*

3. Six clinics in the caseroom or wards to teach the care of the patient in the hospital.

*Professor Simpson and Assistants*



4. Six classes to demonstrate the care of the newborn.  
*Professor G. Ross and Assistants*
5. Six lectures to present the development of the genital tract with its histopathology. The development of the embryo.  
*Professor Kearns and Assistants*

#### GYNAECOLOGY

1. Five lectures to describe the more common gynaecological diseases.  
*Professor Campbell and Assistants*
2. Thirty-six demonstrations or lectures at the bedside, in the operating theatre, or in the outpatient department, to illustrate the diagnosis and treatment of gynaecological patients.  
*Professor Campbell and Assistants*

#### FOURTH YEAR—

#### OBSTETRICS

1. Thirty-four clinical conferences to illustrate the management of the obstetrical complications.  
*Professor Philpott*
2. Group ward rounds once a week to present the current interesting cases.  
*Professor Philpott*
3. Thirty-two hours in bedside clinics and the caseroom to teach the management of the obstetrical patient.  
*Senior members of the Staff*
4. Facilities are presented for attending sixteen antenatal clinics.  
*Members of the Staff*

#### GYNAECOLOGY

1. Twelve bedside clinics to be given in the gynaecology wards.  
*Senior members of the Staff*
2. Eight lecture-demonstrations in Gynaecological Pathology.  
*Professor Kearns and Staff*
3. Eight hours of clinical instruction are given in the diagnosis and treatment of genital cancer.  
*Professor Bauld and Assistants*
4. Facilities are extended for attending sixteen gynaecology outpatient clinics.  
*Members of the Staff*

*Obstetrics Text and Reference Books:* Beck, Obstetrical Practice; De Lee-Greenhill, Principles and Practice of Obstetrics; Johnstone, Textbook of Midwifery; Scott and Wan Wyck, The Essentials of Obstetrics and Gynaecology; Stander, Textbook on Obstetrics; The Ten Teachers, Midwifery.



*Gynæcology Text and Reference Books:* Curtis, Textbook of Gynæcology; Grossen, Textbook of Gynæcology; Kennedy-Campbell, Vaginal Hysterectomy; Novak, Textbook of Gynæcology; Shaw, Wilfred, Textbook of Gynæcology; Ten Teachers, Diseases of Women.

## DEPARTMENT OF OPHTHALMOLOGY

<i>Professor</i>	G. STUART RAMSEY, <i>Chairman</i>
<i>Assistant Professor</i>	J. ROSENBAUM
<i>Lecturers</i>	B. ALEXANDER K. B. JOHNSTON J. V. V. NICHOLLS R. J. VIGER
<i>Demonstrators</i>	L. S. S. KIRSCHBERG D. W. McDONALD

The undergraduate work in Ophthalmology, which is designed to meet the needs of a well-trained general practitioner, embraces the following courses in the third and fourth year of the Medical course:—

### THIRD YEAR

#### 1. ROUTINE EXAMINATION OF THE EYE

In this work the class in small groups is drilled in the various tests in the routine examination of the eye, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Instruction in the use of the ophthalmoscope and familiarization with the appearance of the normal fundus of the eye are an important feature of this preliminary course.

Five hours.....

#### 2. LECTURE DEMONSTRATIONS TO ENTIRE CLASS

This course, variously illustrated, covers the general principles and the systematic side of the subject. It has been designed to furnish a background of essential information for the clinical work of the final year.

Ten hours.....

### FOURTH YEAR

#### CLINICAL OPHTHALMOLOGY

This teaching is conducted in the Ophthalmic clinics and wards of the Montreal General and Royal Victoria Hospitals. The class is divided into groups of ten, each group receiving twenty-five hours instruction. Ocular problems that are of greatest moment in general practice are



discussed. This includes the external diseases of the eye, the main ophthalmological findings in systemic disorders, affections of the nervous system, and as far as possible a co-relation of the clinical and histological ocular changes.

*Textbooks:* May, Gifford, Parsons, Berens.

*Reference books:* Duke-Elder.

## DEPARTMENT OF OTO-LARYNGOLOGY

*Professor* D. H. BALLON, *Chairman*

*Assistant Professors* A. O. FREEDMAN

K. O. HUTCHISON

W. J. McNALLY

G. E. TREMBLE

*Lecturers* E. E. SCHARFE

E. A. STUART

*Demonstrators* H. E. McHUGH

F. W. SHAVER

Instruction in Oto-Laryngology is given to students of the third and fourth years and is designed to meet the needs of the general practitioner.

The clinical courses are carried on in the wards and out-patient departments of the Montreal General and the Royal Victoria Hospitals, where the large clinics afford the students ample opportunity of receiving practical instruction. In these two hospitals there are about fifty beds set apart for this specialty.

The practical work is conducted in small groups so that personal instruction and supervision are given to each student.

Medical motion pictures are used as a supplement to the class-room lecture and clinical demonstration.

### THIRD YEAR

A course of 7 demonstrations is given to students of the Third Year. These demonstrations deal with the normal anatomy of the ear, nose, and throat, and with methods of examination. The students are required to examine the patients and recognize the normal and common pathological conditions of the ear, nose, and throat. Ward rounds are made to illustrate the pre- and post-operative methods of treatment.



*Lecture Course:*

Ten practical illustrated lectures are given to the whole class. Special emphasis is laid on those surgical procedures which the general practitioner should be capable of performing.

Instruction will be given on the practical value of the bronchoscope in the diagnosis and treatment of diseases of the tracheo-bronchial tree and the oesophagus.

**FOURTH YEAR**

Sixteen clinical demonstrations are given in the out-patient departments and wards of the hospital. The students are expected to examine the patients and report on them. Differential diagnosis and treatment is stressed.

*Text and Reference Books:* Ballenger, A Manual of Otology, Rhinology and Laryngology (Macmillan); Geo. D. Wolfe, Ear, Nose and Throat (Lippincott); W. Wallace Morrison, Diseases of the Nose, Throat and Ear (McAinsh); Jackson and Jackson, Diseases of the Nose, Throat and Ear (W. B. Saunders); Chevalier Jackson, Bronchoscopy, Oesophagoscopy and Gastroscopy (W. B. Saunders); Sir St. Clair Thomson and Negus, Diseases of the Nose and Throat (McAinsh); D. H. Ballon, Chapters on Bronchoscopy and Oesophagoscopy in Surgical Diseases of the Chest by Evarts A. Graham, J. J. Singer, Harry C. Ballon (Lea & Febiger).

**DEPARTMENT OF PAEDIATRICS**

*Professor* ALTON GOLDBLOOM, *Chairman*

*Associate Professor* S. G. ROSS

*Assistant Professors* A. K. GEDDES

ALAN ROSS

JESSIE SCRIVER

*Lecturers* H. L. BACAL

B. BENJAMIN

P. N. MACDERMOT

E. M. WORDEN

*Demonstrators*

H. FRIEDMAN-BRICKMAN FRANCES MCCALL

R. L. DENTON D. R. MCCRIMMON

S. I. DOUBILET J. H. O'NEILL

ELEANOR HARPUR F. SHIPPAM

ARNOLD JOHNSON S. J. USHER

D. KLEIN ISOBEL WRIGHT



# REQUIRED COURSES

## 1. LECTURES

(a) An Introductory course of 12 lectures in the winter term of the second year covering physical and mental development of the infant and child, the bases of nutritional requirements of the growing child, mineral and water metabolism, the embryology of congenital defects.

(b) A series of 36 lectures once weekly during the third year designed to cover the various aspects of Diseases of Children; Nutrition, Hygiene, Infections, Communicable Diseases, Preventive Medicine, etc.

*Professor Goldbloom and Staff*

## 2. DISEASES OF THE NEWBORN: ROYAL VICTORIA MATERNITY PAVILION

A weekly clinic-demonstration to groups of students of the third year during their obstetrical quarter.

*Professors Goldbloom, G. Ross, Geddes, A. Ross, and Scriver, and Dr. Worden*

## 3. CLINICAL PAEDIATRICS

(a) During the third year the class is divided into groups, each group devoting the mornings of six weeks to clinical instruction at the Children's Memorial Hospital.

(b) Groups during the final year will spend four weeks entirely at the Children's Memorial Hospital as clinical clerks under tutors—3 or 4 students to each tutor. Work will be divided between the wards and the out-patients department.

*Professors Goldbloom, G. Ross, A. Ross, and Geddes, and Staff*

(c) Care and feeding of the normal infant, immunization procedures, preventive paediatrics; Child Welfare Clinics.

*Professor Scriver, and Drs. Usher, Doubilet, and Benjamin*

(d) Infectious Diseases.

A series of demonstrations to groups of students on the common infectious diseases is given at the Alexandra Hospital as part of the instruction of the final year.

*Dr. Worden*

*Textbooks:* Holt and McIntosh, Diseases of Infancy and Childhood; Mitchell and Nelson, Diseases of Infants and Children; Porter and Carter, Management of the Sick Infant and Child; Smith, Physiology of the New Born Infant; Bakwin, Psychologic Care During Infancy and Childhood.

*Reference Books:* Brenneman, Practice of Paediatrics (4 volumes); Parsons and Barling, Diseases of Infancy and Childhood (2 volumes); Langdon, Home Guidance for Young Children; Abt, Paediatrics (8 volumes); Still, Common Disorders and Diseases of Childhood; John Thomson, Clinical Study and Treatment of Sick Children; Von Reuss, Diseases of the New Born; Gesell, The Embryology of Behaviour; Patten, Human Embryology; Brown and Tisdall, Common Procedures in Paediatrics; Goldbloom, Care of the Child.



## DEPARTMENT OF PARASITOLOGY

<i>Professor</i>	T. W. M. CAMERON, <i>Chairman</i>
<i>Associate Professor</i>	M. J. MILLER
<i>Assistant Professor</i>	DONALD FAIRBAIRN
<i>Lecturers</i>	L. P. E. CHOQUETTE E. MUNROE

## REQUIRED COURSES

## SECOND YEAR

## 2A. HUMAN PARASITOLOGY

This course on the animal parasites of man (protozoa, helminths, and arthropods) comprises about 50 hours of instruction. Special attention is given to parasites found in North America, their diagnosis, bionomics, and pathogenesis as well as to the more important animal vectors of disease. Exotic forms are more briefly discussed. In the practical class, each student examines all the important species as well as the lesions caused by them.

First term—Two lectures and one laboratory period per week.

## ELECTIVE COURSES

The Department not only provides facilities for advanced research work at the Institute of Parasitology, but offers didactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research).

*Textbook:* T. W. M. Cameron, *The Parasites of Man in Temperate Climates* (2nd edition).

## DEPARTMENT OF PATHOLOGY

<i>Strathcona Professor</i>	G. LYMAN DUFF, <i>Chairman</i>
<i>Professor</i>	THEO R. WAUGH
<i>Assistant Professors</i>	ROBERT H. MORE J. E. PRITCHARD
<i>Lecturers</i>	M. B. MACKENZIE W. H. MATHEWS W. E. TORESON F. W. WIGLESWORTH D. C. WILSON



*Demonstrators*

F. A. JAFFE  
J. D. RUBLEE

*Sessional Demonstrator*

M. A. SIMON

*Fellows*

J. W. BAWDEN  
S. BENCOSME  
C. J. JONES  
R. M. LEVINE

REQUIRED COURSES

1. COURSE IN GENERAL PATHOLOGY (SECOND YEAR)

A. Two lectures per week (with epidiascopic and microscopic demonstrations) during the Autumn and Winter terms (48 lectures).

*Professors Duff and More*

B. Practical laboratory classes during the Autumn and Winter terms (72 hours practical work).

*Dr. Toreson and Demonstrators*

2. COURSE IN SPECIAL PATHOLOGY (THIRD YEAR)

A. Two lectures per week during the Autumn, Winter, and Spring terms (72 lectures).

*Professors Duff, Waugh, and More, and Lecturers*

B. Two practical laboratory classes per week during the Winter and Spring terms (96 hours practical work).

*Professor Duff and Staff*

C. One demonstration of gross pathological material per week to students in small groups of 15 each, during Autumn, Winter, and Spring terms (36 hours).

*Lecturers and Demonstrators*

3. COURSE IN APPLIED PATHOLOGY (THIRD AND FOURTH YEARS)

A. Pathological Conferences with demonstrations of current autopsy material. Once a week during the Autumn, Winter, and Spring terms (54 hours).

*Professor Duff*

B. Group instruction in performance of autopsies with demonstrations of autopsy findings, during Autumn, Winter, and Spring terms. Time according to material.

Pathological Institute

*Professor Duff and Dr. Wilson*

Montreal General Hospital

*Professor Pritchard and Dr. Mathews*

Children's Memorial Hospital

*Dr. Wiglesworth*

*Textbooks:* Anderson, Pathology (Mosby); Bell, Text-Book of Pathology (Macmillan); Boyd, Text-Book of Pathology (Lea & Febiger); Karsner,



## COURSES IN PHARMACOLOGY AND THERAPEUTICS

Human Pathology (Lippincott); MacCallum, Text-Book of Pathology (Saunders); Moore, Text-Book of Pathology (Saunders); Muir, Text-Book of Pathology (Arnold).

### *Reference Books:*

*General:* Boyd, Surgical Pathology (Saunders); Boyd, Pathology of Internal Diseases (Lea & Febiger); Forbus, Reaction to Injury (Williams & Wilkins); Reimann, Kaufmann's Pathology (Blakiston); Smith and Gault, Essentials of Pathology (Appleton Century); Ewing, Neoplastic Diseases (Saunders); Willis, The Pathology of Tumours (Butterworth).

*Special:* Naegeli, Blutkrankheiten und Blutdiagnostik (Julius Springer); Whitby and Britton, Disorders of the Blood (Churchill);

Biggart, Pathology of the Nervous System (Livingstone); Buzzard and Greenfield, Pathology of the Nervous System (Churchill); Freeman, Neuropathology (Saunders);

Novak, Gynaecological and Obstetrical Pathology (Saunders);

Geschikter and Copeland, Tumours of Bone (American Journal of Cancer);

Farber, The Post Mortem Examination (Charles Thomas); Mallory, Pathological Technique (Saunders); Saphir, Autopsy Diagnosis and Technique (Hoeber).

## DEPARTMENT OF PHARMACOLOGY AND THERAPEUTICS

*Professor*

R. L. STEHLE, *Chairman*

*Professor of Therapeutics*

D. S. LEWIS

*Associate Professor of Pharmacology*

K. I. MELVILLE

*Assistant Professor of Pharmacology*

*Lecturer in Therapeutics*

W. DE M. SCRIVER

### PHARMACOLOGY

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

### REQUIRED COURSES

#### 1A. PHARMACOLOGY

The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The



chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Two lectures a week during the Autumn and Winter terms supplemented by one conference and one demonstration a week. Second year.

The conference groups are limited to four students each.

*Professors Stehle, Melville, and* \_\_\_\_\_

#### 1B. PHARMACOLOGICAL LABORATORY

The experiments are chosen to illustrate the lecture course.

One period (three hours) a week during the Autumn and Winter terms. Second year.

*Professors Stehle, Melville, and* \_\_\_\_\_

#### THERAPEUTICS

The teaching of therapeutics will be closely linked with that of medicine.

#### REQUIRED COURSES

##### 2. PRESCRIPTION WRITING

Three lectures.

*Dr. Scriver*

##### 3A. THERAPEUTICS

Didactic Instruction. A series of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

##### 3B. THERAPEUTICS

Theatre lectures. Eight clinical lectures to be given in the hospitals during the year in conjunction with the teaching of the Department of Medicine.

*Professor Lewis and Associates*

*Textbooks in Pharmacology:* Cushny, Sollmann, Thienes.

*Textbooks in Therapeutics:* Bastedo, Beckman, Goodman and Gilman.

#### OPTIONS

Suitably prepared students may undertake research at any time.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.



## DEPARTMENT OF PHYSIOLOGY

*Joseph Morley Drake Professor* F. C. MACINTOSH, *Chairman*

*Professor* A. S. V. BURGEN

*Associate Professors* B. D. BURNS

NORRIS GIBLIN

*Assistant Professors* SIMON DWORKIN

HUGH STANSFIELD

KATHLEEN G. TERROUX

*Lecturer* A. L. JOHNSON

*Demonstrator* HELEN A. HENRIKSON

### REQUIRED COURSES

#### 1. FIRST YEAR LECTURES

Tuesday, Thursday, Saturday, at 9 a.m. (beginning in October).

#### 1P. FIRST YEAR LABORATORY

Six hours a week during last 16 weeks.

##### *Textbooks:*

*Systematic Physiology—Human:* Howell, Textbook of Physiology; Starling (and Evans), Human Physiology; MacLeod (and Bard), Physiology in Modern Medicine.

*Clinical Physiology:* Samson Wright, Applied Physiology; Wiggers, Physiology in Health and Disease; Best and Taylor, Physiological Basis of Medical Practice.

### OTHER COURSES

(Available only for students who have obtained Honours in the required courses, and by application to the Chairman of the Department.)

#### 3. ADVANCED LECTURERS

#### 3P. ADVANCED LABORATORY

## DEPARTMENT OF PSYCHIATRY

*Professor* D. E. CAMERON, *Chairman*

*Associate Professors* MIGUEL PRADOS

BARUCH SILVERMAN

##### *Assistant Professors*

R. A. CLEGHORN

A. E. MOLL

F. R. HANSON

G. E. REED

R. B. MALMO

KARL STERN



*Lecturers*

T. E. DANCEY  
A. A. MACKAY  
C. HERSHON

C. H. SKITCH  
H. LEHMAN

*Demonstrators*

SAUL ALBERT  
JACQUES BEAUBIEN  
CARLOS BOS  
WALTER BREMNER  
ELLIOTT EMMANUEL  
FRANK GELBMAN

B. F. GRAHAM  
R. HARTOGS  
L. G. HISEY  
M. SAFFRAN  
M. STRAKER  
J. S. TYHURST

REQUIRED COURSES

1. PHYSIOBIOLOGY—A course of twelve lectures will be given in the first year. In this course, the various aspects of human behaviour will be stressed, with special reference to their relationship to medicine.

*Professor Cameron*

2. PSYCHIATRY—Eighteen lectures on the basic behavioral disorders will be given. During the second year both those disorders which require hospitalization and those which can be dealt with on an ambulant basis will be considered.

*Professor Reed and Assistants*

3. 70 hours of clinical instruction will be given during the third year. This instruction will be held primarily on the wards of the teaching hospitals and in the Out-Patient Departments.

*Professors Cameron, Prados, and Moll, and Dr. Dancey*

4. A course of eight lectures will be given on child psychiatry during the fourth year.

*Professor Silverman*

5. Clinical demonstrations, out-patient instruction and ward rounds will be held during the fourth year. Certain of these will be devoted to early behavioral disturbances, psychosomatic and toxic states, and drug addictions.

*Professors Cameron, Stern, and Cleghorn*

6. Instruction will be given in adult out-patient psychiatry in the Psychiatric Outdoor Department in the Royal Victoria Hospital, and in child out-patient psychiatry at the Mental Hygiene Institute.

*Professors Prados and Silverman*

7. Instruction in the care of long term cases, and institutional psychiatry, will be given at the Allan Memorial Institute and Verdun Protestant Hospital.

*Professor Reed and Drs. Skitch and Lehman*



## DEPARTMENT OF RADIOLOGY

*Professor* CARLETON B. PEIRCE, *Chairman*

*Associate Professor* JOSEPH W. MCKAY

*Assistant Professors* J. J. L. BOUCHARD  
D. L. McRAE

*Demonstrators* N. M. BROWN  
E. F. CRUTCHLOW  
A. M. EDINGTON  
G. I. NORTON

### FIRST YEAR

In co-operation with the Department of Anatomy, demonstrations are given of the roentgenologic anatomy of the skeletal, respiratory, gastrointestinal, and urogenital systems, including fluoroscopic demonstrations of functional anatomy of joints, the thoracic viscera, and the alimentary tract.

*Professor Peirce and Staff*

### SECOND YEAR

#### INTRODUCTION TO RADIOLOGY

In co-operation with the Department of Medicine (Course II 2) as an introduction to special methods in Physical Diagnosis, the various means of radiologic examination are demonstrated to small groups of students in the Montreal General Hospital and the Royal Victoria Hospital. The fluoroscopic and roentgenographic methods of study of the cardio-respiratory and gastro-intestinal systems especially are compared with the clinical means in physical examination.

*Professors Peirce and McKay and Staff*

### THIRD YEAR

#### III ROENTGEN PATHOLOGY AND RADIATION THERAPY

A course of 24 lectures presenting the general features of roentgen interpretation, systemic roentgen pathology and the principles of roentgen and radium therapy.

*Professors Peirce, McKay, Bouchard, and McRae, and Staff*

### FOURTH YEAR

#### IV CLINICAL RADIOLOGY

IV (1) Conference periods, two hours weekly each quarter during which the students in the several teaching hospitals discuss clinical case material with the Members of the Department.

*Professors Peirce, McKay, Bouchard, and McRae, and Staff*



- IV (2) Tumour Conference. The final year students are expected to attend the Tumour or Neoplasm Clinics and Conferences in the several teaching hospitals, wherein the various means of diagnosis and treatment of malignant neoplasm are considered by representatives of the several departments of the teaching staffs, and their experience reviewed.

#### POST-GRADUATE INSTRUCTION

##### DIPLOMA IN RADIOLOGY

Details of the Post-Graduate course leading to the Diploma in Radiology of the Faculty of Medicine may be obtained from the Dean's Office or the Chairman of the Department.

Post-graduate training prerequisite to certification in the specialty by the Royal College of Physicians and Surgeons (Canada) or the American Board of Radiology is available in the teaching hospitals to selected graduates of approved Faculties or Schools of Medicine.

*Text and Reference Books:* Sante, Principles of Roentgenological Interpretation; Holmes and Ruggles, Roentgen Interpretation; Rigler, Outline of Roentgen Diagnosis; Hodges, Lampe and Holt, Radiology for Medical Students; Shanks, Kerly and Twining, Text Book of Radiology; Golden (et al), Diagnostic Radiology; Pancoast, Pendergrass and Schaeffer, Head and Neck in Roentgen Diagnosis; Kohler, Roentgenology; Wessen and Ruggles, Urological Roentgenology; Barclay, The Digestive Tract; Pohle, Theoretical Principles of Roentgen Therapy; Glasser, Quimby, Taylor and Weatherwax, Physical Foundations of Radiology.

#### DEPARTMENT OF SURGERY

##### *Professors*

G. GAVIN MILLER, *Chairman*

R. R. FITZGERALD

##### *Associate Professors*

J. C. ARMOUR

D. E. ROSS

H. M. ELDER

A. L. WILKIE

##### *Assistant Professors*

H. L. DAWSON

H. S. MORTON

C. M. GARDNER

H. F. MOSELEY

J. C. LUKE

ALBERT ROSS

C. A. MCINTOSH

P. G. ROWE

S. J. MARTIN

A. J. STEWART



## COURSES IN SURGERY

### *Lecturers*

H. A. BAXTER	D. W. MACKENZIE, JR.
S. G. BAXTER	E. A. MCNAUGHTON
H. S. DOLAN	H. G. PRETTY
JOHN GERRIE	A. M. VINEBERG
MARK KAUFMANN	D. R. WEBSTER
G. D. LITTLE	

### *Demonstrators*

F. D. ACKMAN	R. M. LAWSON
A. R. BAZIN	C. K. MCLEOD
E. H. CAYFORD	W. W. RUDDICK
W. M. COUPER	J. C. SUTTON
G. A. HOLLAND	F. W. WOOLHOUSE

### ORTHOPAEDIC SURGERY

#### *Assistant Professors*

J. G. PETRIE
J. G. SHANNON

#### *Demonstrators*

W. G. BRECKENRIDGE	S. E. GOLDMAN
A. A. BUTLER	G. H. RAYMOND
J. J. DINAN	J. A. L. WALKER

### UROLOGY

#### *Clinical Professors*

R. E. POWELL
E. S. SMITH

#### *Lecturers*

A. B. HAWTHORNE	R. G. REID
S. A. MACDONALD	M. I. SENG

#### *Demonstrators*

J. T. MACLEAN	ALEX. STRASBERG
MAX RATNER	A. M. J. TANNEY

### REQUIRED COURSES

#### SECOND YEAR

Surgical teaching begins in the Winter term (24 weeks) of the second year. In this year special attention is directed to the instruction and training of the student in proper methods of physical examination from the surgical point of view. At the same time, instruction is given in methods of surgical technique, and the student is introduced to the simpler types of fractures and dislocations.



- 2A. A COURSE OF LECTURES (22) covering the history of Surgery and an introduction to the study of surgical diseases.
- 2B. GROUP CLASSES in the wards of the Montreal General and Royal Victoria Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

#### THIRD YEAR

The student comes into a more intimate contact with the patients, and in the surgical trimester is assigned cases, writes case reports, acts as dresser, and assists at operations.

- \*3A. AMPHITHEATRE CLINICS AND DEMONSTRATIONS in the Montreal General and Royal Victoria Hospitals, one day a week throughout the year.
- 3B. GROUP WARD CLASSES in the Montreal General and the Royal Victoria Hospitals, twice a week during the term.
- 3C. CASE REPORTING. Patients are allotted to students who act as reporters, dressers, and assistants at operations.

#### FOURTH YEAR

- \*4A. AMPHITHEATRE CLINICS AND DEMONSTRATIONS in the Montreal General and Royal Victoria Hospitals alternately, once a week throughout term.
- 4B. GROUP WARD CLASSES AND WARD ROUNDS in the Montreal General and Royal Victoria Hospitals, four times a week during the surgical quarter.
- 4C. CASE REPORTING
- 4D. CLINICO-PATHOLOGICAL CONFERENCES once a week during the term, jointly with the Department of Pathology, at the Montreal General and Royal Victoria Hospitals.

#### SURGICAL DISEASES OF CHILDREN

Instruction in the surgical diseases of children is given during the trimester in which the students are assigned to pædiatrics at the Children's Memorial Hospital, as follows:

- 4A. AMPHITHEATRE CLINICS once a week throughout trimester.
- 4B. GROUP WARD CLASSES three times a week throughout trimester.

#### ORTHOPAEDIC SURGERY

#### FOURTH YEAR

- 4A. CLINICAL LECTURES. A course of 8 lectures given at the hospitals.

\*Amphitheatre Clinics 3A and 4A are so arranged that all surgical subjects are presented during the two year course.



- 4B. WARD CLASSES at the Montreal General and Royal Victoria Hospitals, once a week during the surgical trimester.
- 4C. GROUP CLASSES IN THE OUT-DOOR DEPARTMENT of the Montreal General and Royal Victoria Hospitals, twice a week during the surgical trimester.

#### ANAESTHESIA

Students are given practical instruction in the administration of anaesthetics, during their surgical trimesters in the third and fourth years at the Montreal General and Royal Victoria Hospitals.

Close correlation is maintained with the Departments of Anatomy and Physiology as well as with the concurrent instruction in Medicine, Pathology, and Bacteriology.

The course is graded and the student is required to qualify in each grade before he is permitted to advance to succeeding grades.

#### UROLOGY

##### SECOND YEAR

##### 2A. CLINICAL UROLOGY

Group classes, 4 demonstrations, in which instruction in methods of Urological examination is given in the Montreal General and Royal Victoria Hospitals. (See Surgery—2B.)

##### FOURTH YEAR

4A. CLINICAL LECTURES. A course of theatre clinics in each of the hospitals.

4B. UROLOGICAL CLINICS. Ward classes.

The Montreal General Hospital—3 classes a week.

Royal Victoria Hospital—3 classes a week.

4C. CASE REPORTING IN UROLOGICAL WARDS

Instruction in surgery and the surgical specialties is given in the form of didactic lectures, amphitheatre clinics, and demonstrations and group teaching in the wards and out-patient departments of the teaching hospitals. The course is graded. The student must qualify in each year before proceeding to the next.

##### *Textbooks:*

1. *General Surgery*: John Homans, A Text-book of Surgery; C. C. Choyce, A System of Surgery; Gask and Wilson, Surgery; Hamilton Bailey, Demonstrations of Physical Signs in Clinical Surgery; Christopher;



Cole and Elman; Romanis and Mitchener; Handfield, Jones and Porrett, The Essentials of Modern Surgery; Rose and Carless, Manual of Surgery; Berman, Synopsis of Principles of Surgery; Pack and Livingston, Treatment of Carcinoma; Christopher, Minor Surgery.

2. *Emergency Surgery*: John W. Sluss, Manual of Emergency Surgery; Cole and Puestow, Advanced First Aid.

3. *Surgical Anatomy*: McGregor, Synopsis of Surgical Anatomy; Treves, Surgical Applied Anatomy.

4. *Fractures and Dislocations*: Charles L. Scudder, Treatment of Fractures; Wilson and Cochrane, Fractures and Dislocations; Magnuson, Fractures; Stimson, Manual of Fractures and Dislocations; Wilson, Management of Fractures; Key and Conwell, Fractures and Dislocations; Watson Jones, Fractures and other Bone and Joint Injuries; Key and Conwell, Fractures, Dislocations and Sprains; Eve, Handbook of Fractures.

5. *Case Reporting*: J. Renfrew White, The Clinical Examination of Surgical Cases; Geckeler, Fractures and Dislocations.

6. *Urology*: Eisendrath and Rolnick, Urology; Herman, Practice of Urology; Hinman, Principles and Practice of Urology; Keyes and Ferguson, Urology; Young, Practice of Urology; Le Comte, Manual of Urology.

7. *Orthopædic Surgery*: Whitman, Orthopædic Surgery; Jones, Orthopædic Surgery of Injuries; Jones and Lovett, Orthopædic Surgery; Mercer, Orthopædic Surgery; Willis Campbell, Orthopædic Operations; Sever, Handbook of Operative Surgery; Steindler, Orthopædic Operations.

## GRADUATE INSTRUCTION

1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.

2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do. The minimum fee is \$30.00 a term (10 weeks).

A Diploma in Public Health and a Diploma in Tropical Medicine and Hygiene are granted by McGill University.



These courses are conducted by the Department of Health and Social Medicine with the collaboration of other departments in the Faculty of Medicine and the assistance of members of other faculties in the University who have a special interest in this field. Practical instruction and application are made possible through the co-operation of the Department of Health of Montreal and voluntary health agencies.

The Department of Health and Social Medicine is housed in its new quarters at 490 Pine Avenue West, within easy access of the Medical Building. The building contains ample accommodation for lectures seminars, and demonstrations. In addition to the excellent facilities of the Library of the Faculty of Medicine, which are at the disposal of students, the Department has its own library and reading-room. The building is also the headquarters of the Student Health Service.

#### DIPLOMA OF PUBLIC HEALTH

The course is designed to train graduates in medicine in the increasingly wider concept of the public health service. It includes:

SOCIOLOGY, with special reference to the practice of Medicine;

STATISTICAL METHODS from the point of view of providing an understanding of the fundamental principles of statistics as they are applied to medical science for the critical analysis of surveys and reports; instruction is given in carrying on research involving statistical techniques;

VITAL STATISTICS, including Biometrics, stressing the importance of the accurate recording of essential data, observations, and other findings, together with their practical significance and application;

EPIDEMIOLOGY as defined in its broadest sense, including communicable disease control and the assessment of morbidity in non-communicable diseases;

PUBLIC HEALTH LAW and its administration;

HYGIENE OF THE ENVIRONMENT, including Sanitation, Housing, and Nutrition; Physiological Hygiene;

INDUSTRIAL TOXICOLOGY AND INDUSTRIAL HYGIENE;

HYGIENES (Physical and Mental): Maternal, Infant, Pre-School, School, and Adult;

BACTERIOLOGY, PARASITOLOGY, AND IMMUNOLOGY, as related to public health practice;

SOCIAL AND ECONOMIC FACTORS IN HEALTH; programmes designed to deal with them;

PUBLIC HEALTH PRACTICE: The organization and administration of public health programmes, including Preventive Medicine, especially as



they pertain to the public health agency, the family physician, and the social worker;

**FIELD WORK:** A period of three months' approved field work must be undertaken before the Diploma is granted. Facilities are available in fields of special interest, such as Tuberculosis, Venereal Disease, School Health, etc.

Candidates for the Diploma of Public Health must be graduates in Medicine of a recognized university.

The Diploma in Public Health course covers one academic year from September to April, with three months' additional field work.

The Fee for the Diploma of Public Health is \$250.00, a portion of which—\$25.00—the candidate is requested to deposit on acceptance of his application. Application must be made before June 1st.

#### DIPLOMA OF TROPICAL MEDICINE AND HYGIENE

Tropical Medicine is coming to occupy a prominent place in medical education in North America as a direct outcome of the war and the rapid advance of aeroplane travel.

The present course in Tropical Medicine is a development of the short course given during the war to members of the armed forces. It has been revised and adjusted to post-war conditions.

The course of didactic instruction occupies a full academic year. Classes for the first term are in common with those for the Diploma in Public Health. Those for the second term are held at the Institute of Parasitology at Macdonald College of McGill University. The teaching collection at the Institute is a large and representative one. The work is practical as well as theoretical, and includes a study of Parasitology and Medical Entomology, laboratory diagnoses of tropical and sub-tropical diseases, and lectures on the diseases of the tropics, on tropical hygiene, and minor sanitation.

Clinical instruction must, of necessity, be limited in temperate climates. This aspect is, therefore, deferred to the final part of the course which is given in the tropics at the conclusion of the didactic instruction. The course consists of clinical and field work for which arrangements have been made with Georgetown, British Guiana, Port of Spain, Trinidad, and Venezuela.

Candidates for the Diploma of Tropical Medicine and Hygiene must be graduates in medicine of a recognized university. Certain additional courses may be required of those who are not recent graduates or of those who have not had sufficient clinical practice.



The Fee for the Diploma of Tropical Medicine and Hygiene is \$250, or \$50.00 if preceded by the D.P.H. course at McGill University, or \$100.00 for those who have taken the D.P.H. elsewhere.

Application must be made prior to June 1st.

## **BUILDINGS**

### **THE MEDICAL BUILDING**

This building, erected in 1911, contains the Offices of Administration, the Medical Library (with its 74,000 volumes, its Reading Rooms, and their complete set of technical journals), the Department of Anatomy, and the Museums of Anatomy and Ethnology. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The laboratories for Histology and Embryology have excellent facilities with space for 120 students, and smaller rooms for research.

### **THE BIOLOGICAL BUILDING**

Completed in 1922, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. This extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Genetics, Biochemistry, Physiology, and Pharmacology.

Each of these departments is amply provided with laboratories and units for undergraduate teaching and graduate research.

Adjacent to and connected with the Biological Building is the laboratory for Experimental Surgery. This two-storey building contains two operating units with sterilization and anæsthetic rooms, as well as commodious quarters for the storage of animals and their care during convalescence. The equipment is very complete and includes a refrigerator plant and kitchen.

### **THE PATHOLOGICAL INSTITUTE**

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital and the Montreal Neurological Institute by tunnels, is situated on the northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and



includes a Pathological Museum and museum workshops. It combines under one roof quarters for teaching and research in these departments, and it provides ample facilities and equipment for instruction of students, and the research work of the Staff.

### THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neuro-surgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, and laboratories for treatment and study of diseases of the nervous system, the building provides facilities for graduate study and research in the related fields of basic science.

### THE ALLAN MEMORIAL INSTITUTE

In 1943 a large building and site were donated as a basis for the development of an Institute of Psychiatry. The building has been reconstructed to permit of the establishment of a fifty bed unit, together with extensive research laboratories, and was officially opened July 12th, 1944. Plans have been drawn up for the carrying out of undergraduate and post-graduate teaching in the Faculty of Medicine.

### THE DONNER BUILDING

The Donner Building for Medical Research, adjacent to the Medical Building, was completed in September 1948. Its erection was made possible through the generosity of William H. Donner of Philadelphia, the founder of the International Cancer Research Foundation, who provided the funds necessary for the construction of a building entirely devoted to medical research.

This building houses the Maxwell Lauterman Laboratories for Experimental Surgery and laboratories for Cytology, Experimental Psychology, and Dentistry.

### HOSPITALS

Few medical schools on this continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.



The Medical School is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thus made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:

Royal Victoria Hospital  
Montreal General Hospital  
Children's Memorial Hospital  
Alexandra Hospital for Infectious Diseases  
Verdun Protestant Hospital  
Royal Edward Laurentian Hospital  
Royal Victoria Montreal Maternity Hospital

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical Faculty. These affiliated hospitals contain over 3,000 beds.

THE ROYAL VICTORIA HOSPITAL, in juxtaposition to the University buildings, comprises the following units under one administration:

1. The Royal Victoria Hospital proper, or the Main Building;
2. The Ross Memorial Pavilion for private patients;
3. The Women's Pavilion—Royal Victoria Montreal Maternity;
4. The Allan Memorial Institute.

The total bed complement is 739, with 96 bassinets. Admissions total approximately 17,500 and confinements are in excess of 3,000 a year. There are some 50,000 visits annually to the Out-Patient Department. The University Clinic was established in 1924 and has facilities for both clinical laboratory work and research.

Post-mortems total 55 per cent of the deaths.

The number of resident physicians is 96.

THE ROYAL VICTORIA - MONTREAL MATERNITY PAVILION, with 214 beds for obstetrical and gynaecological cases. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. In a typical year, the obstetrical service cared for over 3,000 confinements in the Hospital. In the gynaecological section, over 2,000 cases are admitted during the year.

There are ten resident physicians.

THE MONTREAL GENERAL HOSPITAL, CENTRAL AND WESTERN DIVISIONS is a general hospital of 650 beds for the treatment of acute diseases. For



the calendar year ended December 31st, 1948, there were approximately 14,000 admissions, while out-patient consultations for the same period approximated 167,000. The resident and interne staff numbers 80.

The "Montreal General" was founded in 1821 on its present site; two smaller buildings downtown had preceded it in 1816 and 1819. In actual age, therefore, it is not by any means the oldest hospital in Canada, but its record in clinical teaching is easily the longest on the North American continent.

As soon as the Hospital opened, its staff began to arrange for students and, in 1824, they opened the first Medical School in Canada, the Montreal Medical Institution, with 25 students. Their teaching was carried on partly at the Hospital.

It was this School which agreed to form the Medical Faculty of McGill University in 1828. The University at that time had practically no students of any kind, and as it was required by the terms of the McGill bequest that teaching should begin before 1829, on penalty of losing the estate, The Montreal Medical Institution, with its ready-made course, came as a salvation. That was the beginning of the long and intimate association between the Hospital and the University.

THE CHILDREN'S MEMORIAL HOSPITAL has 185 public beds, and, in a typical year, admitted 4,000 patients. The attendance at its out-door department totalled over 40,000 visits. This hospital admits all classes of cases of disease in children except pulmonary tuberculosis and the communicable diseases, and enables students to get a broad concept of pædiatrics.

There were 111 autopsies in a typical year, which represented 84.6% of all deaths.

The number of resident physicians is 40.

THE ALEXANDRA HOSPITAL FOR INFECTIOUS DISEASES, opened in 1906, with modern wards, cubicles, and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are three wards for the treatment of tuberculosis in children. There are 150 beds (including 50 for tuberculosis) and the average yearly admissions range between 1,500 and 2,000.

There is a resident senior physician and there are three junior physicians.

THE VERDUN PROTESTANT HOSPITAL has 1,100 beds.

THE ROYAL EDWARD LAURENTIAN HOSPITAL (MONTREAL DIVISION), 3674 St. Urbain Street, consists of a large anti-tuberculosis dispensary and a 52-bed hospital unit designed and equipped for thoracic surgery.



Its objectives are the study, prevention, and cure of tuberculosis. This Hospital, along with its Laurentian Division (located in Ste. Agathe des Monts) offers students excellent opportunities to obtain instruction in all aspects of chronic pulmonary disease, more particularly pulmonary tuberculosis.

## THE MEDICAL LIBRARY

*Honorary Librarian*

R. L. STEHLE

The Library occupies the central front section of the medical building. It contains more than 74,000 bound volumes and an extensive collection of pamphlets, theses, government publications, and other items.

On the third floor are the pleasant, well-lighted reading room capable of accommodating seventy-five readers, and the periodical room, the catalogue, the charging desk, and exhibits of library treasures. The second floor contains the book stacks and three study rooms available to members of the teaching staff. The first floor is devoted to the technical operations of the library—ordering, cataloguing, etc.

The chief value of the Library is in its periodical collection. Relatively little in the way of important journal literature in all languages is not available in it. The book collection contains many rare volumes, some dating back to the sixteenth century. Among the books and journals the ophthalmological section, due in large measure to many gifts from the last Dr. Casey A. Wood, is excellent.

The Library is for the use of the members of the Teaching Staff, graduates of the Medical Faculty of the University, undergraduate students in the Faculty, graduates from other medical schools, showing proper credentials, and graduate nurses. Graduates living at a distance may borrow books and journals on payment of carriage both ways.

The Library is closed on Sundays, but is otherwise open daily during the academic session from 9 a.m. to 6 p.m., and 7:30 to 10 p.m., except Saturdays, when it is closed at 5 p.m. After June 15th it is open from 9 a.m. to 5 p.m.; Saturdays, 9 a.m. to 1 p.m. During July and August it is closed on Saturdays.

## THE OSLER LIBRARY

*Librarian*

W. W. FRANCIS

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 9,500 volumes, occupies a large room, beautifully equipped, on the third



floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works; and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death (*Bibliotheca Osleriana*, Clarendon Press, Oxford, 1929, xxxvi, 785 pp.).

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its *Incunabula*, a valuable collection of 137 books printed in the fifteenth century.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

## MEDICAL SOCIETIES

### 1. THE MCGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the Faculty. Its purpose is:

- (1) To transact all matters of business connected with the undergraduate body.
- (2) To stimulate interest along medical lines.
- (3) To assist students to express themselves in public with facility.
- (4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

Meetings are held every alternate Monday, at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter, and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.



A prize competition has been established in the senior and junior subjects. The senior are open to all to write upon, while only students of the first three years are allowed to compete in junior subjects. The papers are examined by a board selected by the Faculty, and two prizes are awarded in each division. The papers are subject to the call of the Executive on December 1st, and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.

## 2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate, and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the third and fourth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

## 3. THE OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.



As a general organization has been established in the senior and junior classes. The senior are even allowed to write their own papers. The junior the first three years are allowed to compete in minor subjects. The papers are examined and read by the Faculty and the papers are subject to the call of the Executive on February 1st and must be handed in for examination before February 1st. The Society also controls the Students' Reading Room, English and American journals as well as the leading daily newspapers are kept on file.

## 2. ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912. Its object is to promote the study of medicine and to encourage the study of the history and literature of medicine. The Society is composed of members who are selected from such teachers as are most particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have received honors. They are eligible for election in the third and fourth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members as well as by students. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

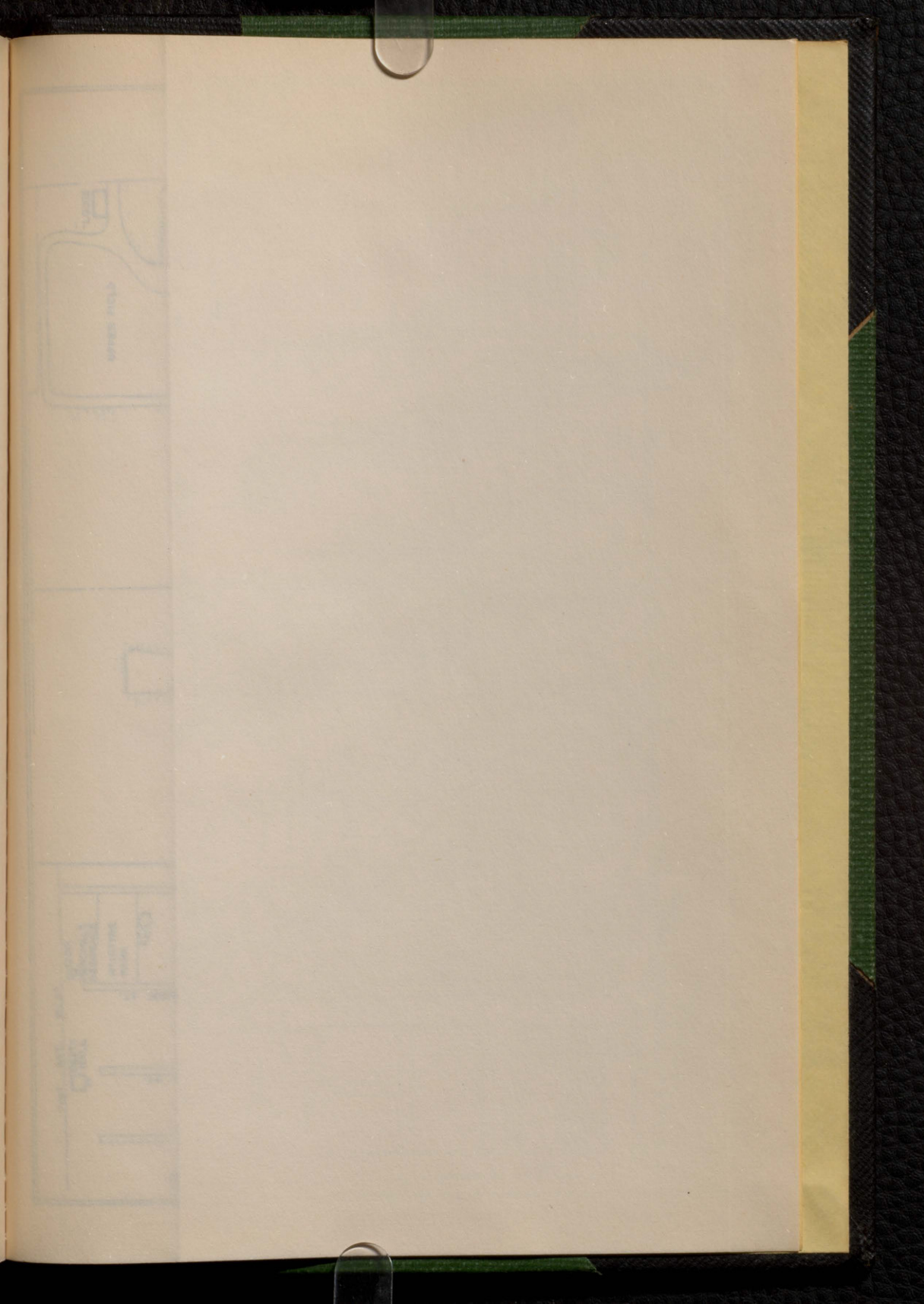
## 3. THE OLIVER SOCIETY

The Oliver Society was founded in the Spring of 1911 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Oliver by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. These topics are selected from the most important clinical and scientific knowledge of the day, and the Society is interested in the history of medicine which is of historical and literary significance.

The membership includes men from each class in the Faculty. Several professors have shown an active interest in the Society and have added a more than a note to the program. Each year an Honorary President has been elected from this older group.

The Society has a number of papers and a number of papers are read by the members. The Society has a number of papers and a number of papers are read by the members. The Society has a number of papers and a number of papers are read by the members.

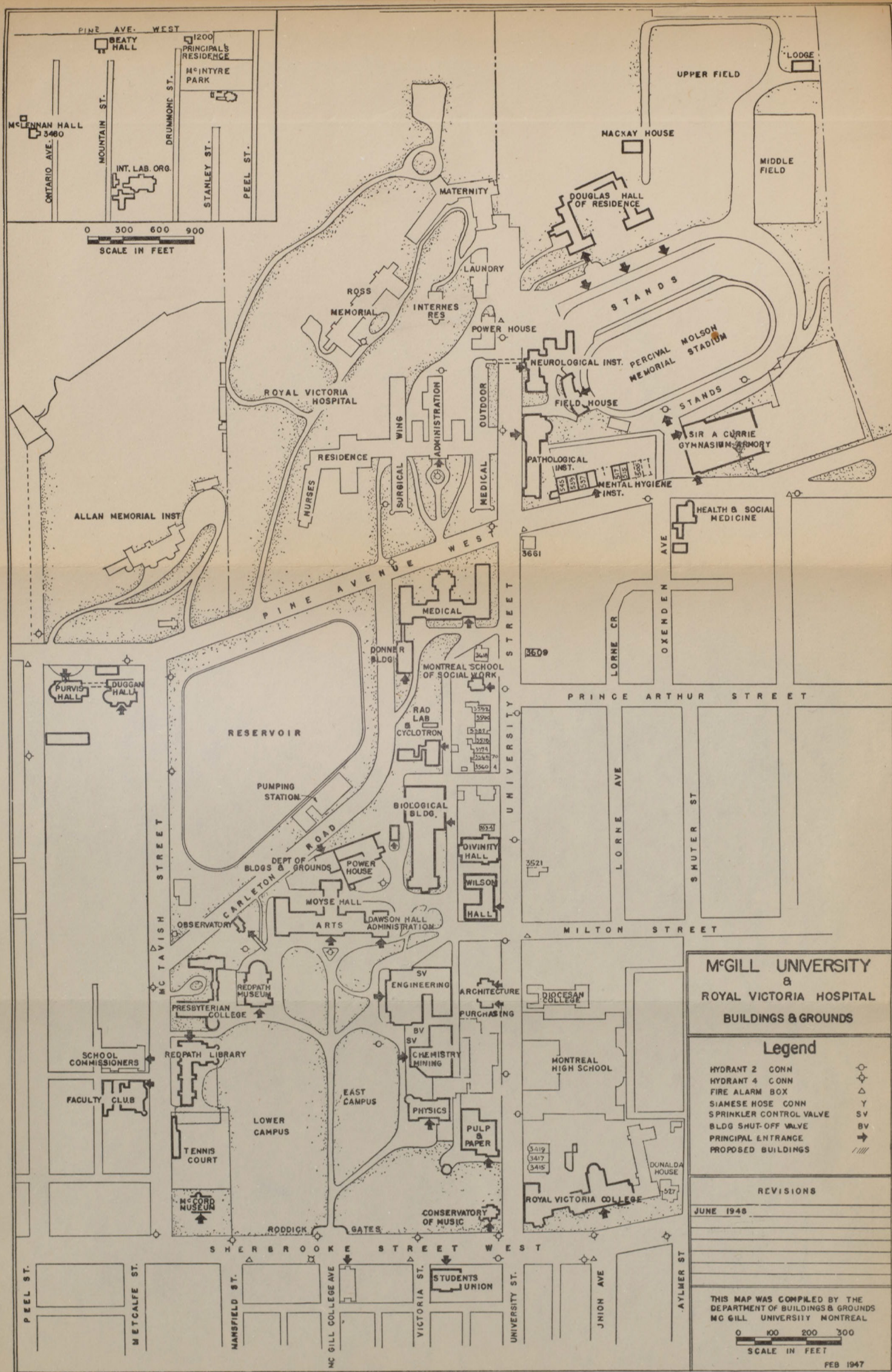








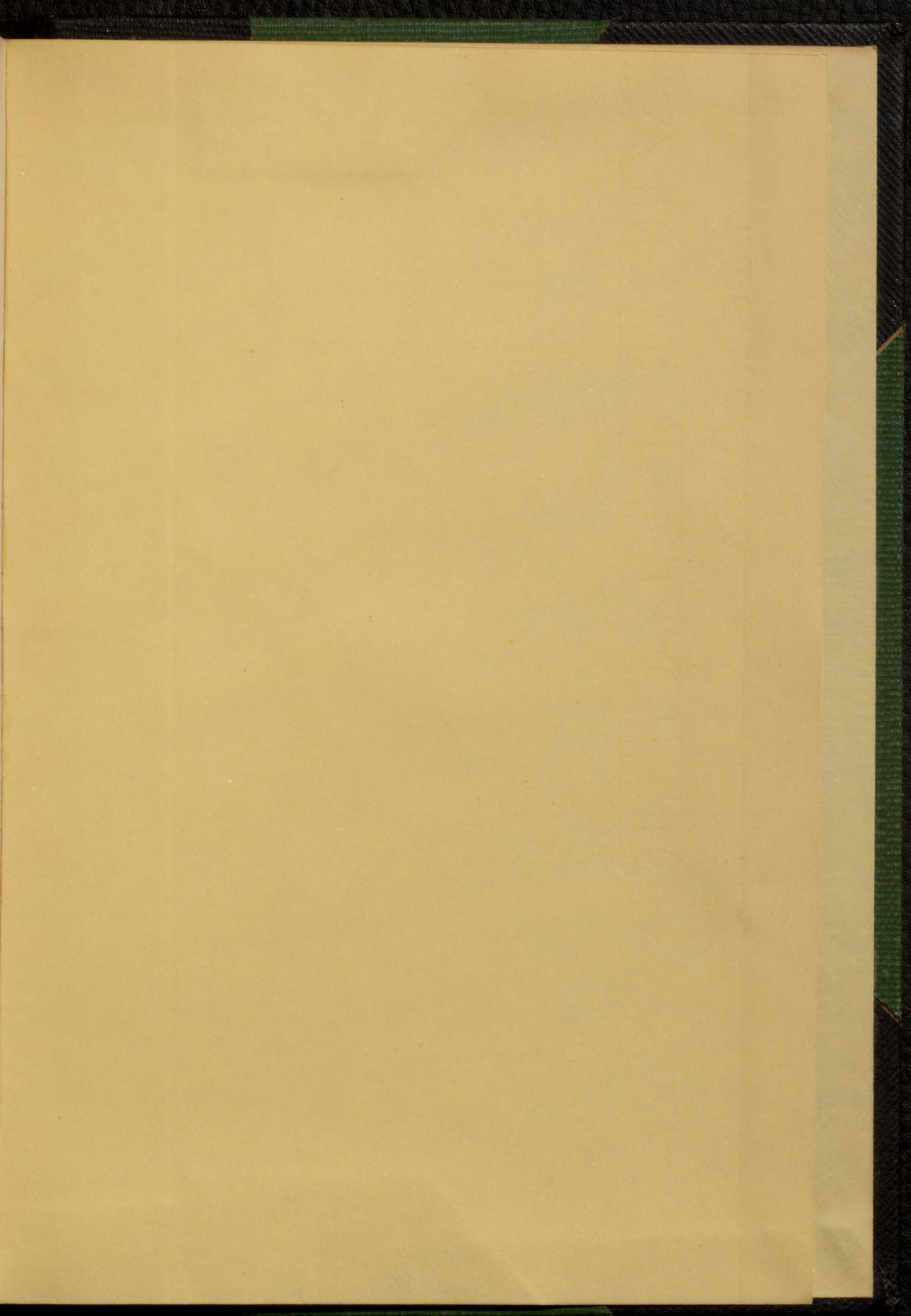














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